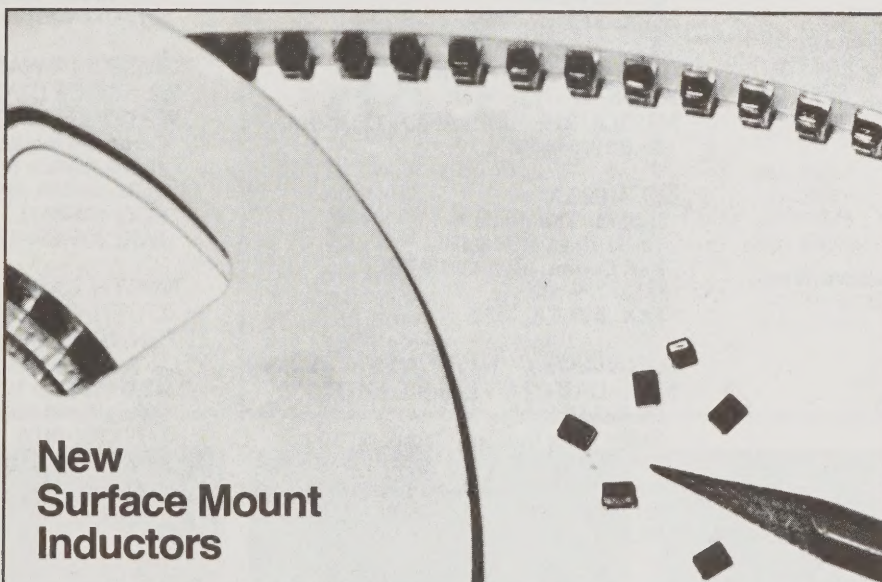


J. W. Miller
DIVISION OF BELL INDUSTRIES

THE J.W. MILLER DIVISION

- Over Sixty Years of Service to the electronics industry.
- Industry standard for dependability and quality.
- Offshore manufacturing facilities for high-volume capabilities.
- "Custom" designed components second to none.



**New
Surface Mount
Inductors**

Surface mount .22uH inductors from reel packaging: .1 uH through 1000 uH in 46 values available.

<ul style="list-style-type: none">▪ Internally welded connections▪ Precise dimensions permit automatic insertion.▪ Excellent flow soldering terminal strength▪ Solderability per MIL STD 202 Method 208	<ul style="list-style-type: none">▪ Operating temperature range: -20°C to $+85^{\circ}\text{C}$▪ Shock and pressure resistant▪ Positive value identification with laser marking▪ Epoxy resin encapsulation... Ferrite core... Tinned copper terminals
--	---

Catalog on request.

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WARRANTY

Every Miller Product is guaranteed during a period of 90 days from date of shipment to be free from defects in material and workmanship. Our liability is limited to replacing or repairing any defective units in these respects which are returned during such a period, which have not been subject to misuse, neglect, improper installation, repair, alteration or accident.

Merchandise must not be returned without prior permission and then transportation charges must be prepaid.

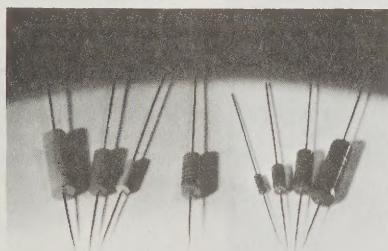
We reserve the right to make improvements on products without assuming any obligation to make similar improvements on products previously sold.

NOTE: In this list the word "Chokes" refers to Fixed or Non-Adjustable Inductors. The word "Coils" refers to Adjustable Inductors.

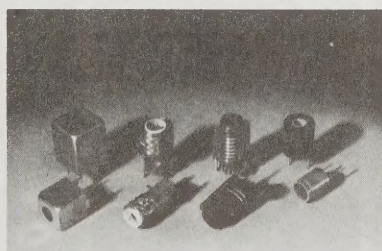
DESCRIPTION	DESCRIPTION
Chokes, Fixed	Filters 42-43
Molded chokes 19 thru 25	High current filter chokes 32 thru 34
Varnish chokes 27 thru 31	High current toroids 34
Heavy Duty chokes 32, 34	Index 45-46
Coils, Adjustable 36 thru 41	Mil-Spec Chokes and Coils 19 thru 25
Varnished Adjustables 37 thru 41	Mil-Spec Cross Reference 3
Shielded Adjustables 36, 39-40	Radio Coils and Transformers 41
Color Code 23	RF Chokes 27 thru 31
Conversion Tables 8	RF Coils 36 thru 41
Encapsulated Toroids 25 thru 26	Sales Representatives 2
Epoxy Conformal Coated Inductors 35	Selector Guide 8 thru 18
Ferrite Beads 42	Toroidal Chokes 25-26, 34
	Warranty 2

MIL-SPEC (MS) to MILLER SERIES

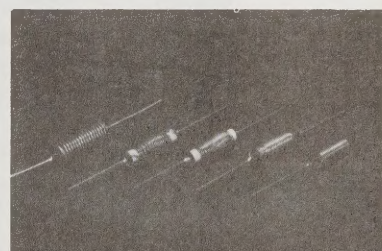
MS Number	Reference Series	MS Number	Reference Series	MS Number	Reference Series
MS 14046	9310	MS 21381	VLS	MS 75087	9250
MS 14047	9350	MS 21388	M	MS 75088	9250
MS 14048	9350	MS 21389	S	MS 75089	9250
MS 14049	9350	MS 21390	S	MS 75101	9320
MS 14050	9350	MS 21402	VLS	MS 75103	9340
MS 14052	9330	MS 75008	9320	MS 90537	9250
MS 16221	9340	MS 75052	9350	MS 90538	9210
MS 16222	9330	MS 75053	9350	MS 90539	9220
MS 16223	9350	MS 75054	9350	MS 90540	9220
MS 16224	9320	MS 75055	9350	MS 90541	9220
MS 16225	9310	MS 75083	9230	MS 90542	9330
MS 18130	9310	MS 75084	9230	MS 91189	9340 and
MS 21380	L	MS 75085	9230		9360



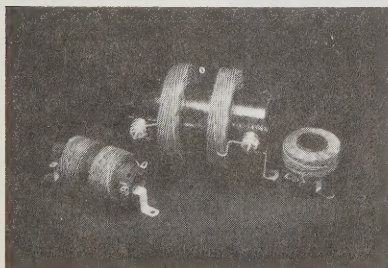
MIL-C-15305 Molded Chokes
.1 μ H through 100,000 μ H



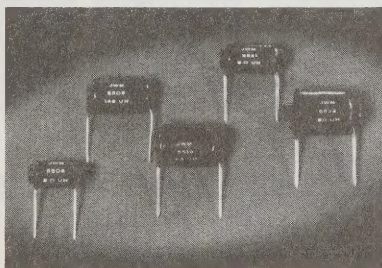
Adjustable RF Inductors
Most L Values and Configurations



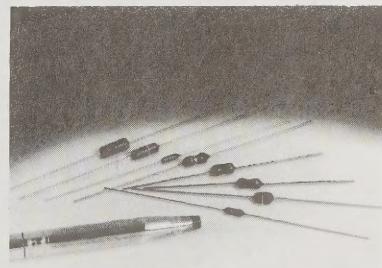
Heavy Duty Hash Chokes
3.35 μ H/20 Amps to 1000 μ H/1 Amp



Line Filter Chokes
135 μ H/20 Amps to 600 μ H/2 Amps



High Current Filter Chokes
Utilizing high saturation flux density
rods 5 μ H/23 Amps to 250 μ H/4 Amps



Low Cost Molded and
Conformal Coated Inductors
Inductance .1 μ H to 1,000 μ H.

J.W. Miller Company has been a dependable source of quality coils and chokes since 1924.

Intensive specialization in coil design and manufacturing assures excellent operating results with a high degree of reliability. When desired, engineering assistance can be furnished to help achieve optimum circuit performance.

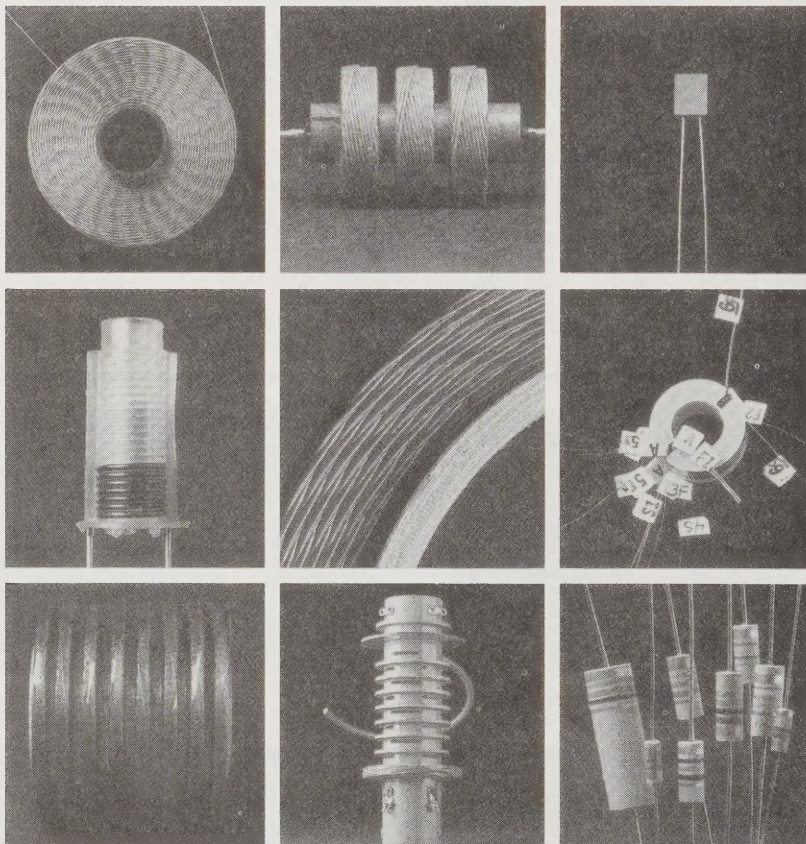
An extensive line of standard components is available for immediate delivery. Most types are available through nationwide distributors.

Custom winding for special requirements can be furnished on a 10-day sample 3 week production delivery cycle. Automated coil winding machines provide high volume capability to facilitate competitive pricing.

Environmental test facilities have been installed to assure quality, prove designs and minimize developmental time. Test and production facilities have been audited by major systems manufacturers and government agencies.



Special coil samples are shipped within 1 to 2 weeks after receipt of order; production shipments start within 3 weeks after sample approval.



**Application Assistance...
Custom Winding
For Your Specific
Magnetic Requirements**

GUIDE TO BETTER COIL SELECTION

RF Chokes & Coils

In order to get better r.f. coil performance, the circuit designer should be aware of the important characteristics and limitations of the various inductors that are available. Knowledge of these factors will permit an intelligent and more economical selection to be made.

Coil catalogues usually give only a few parameters that indicate the ranges and types of coils available to circuit designers. To obtain the best results for a specific application, it is advisable to contact a coil design engineer since the majority of coils produced today are built to meet a designer's specific performance requirements. Since the coil designer can do a better job with more complete information, the circuit engineer would do well to consider some of the important characteristics and limitations of coil performance.

Optimum coil design depends upon a compromise in physical size, inductance range, and stability of the device. If inductance range is the most important factor, ferrite of high-permeability powdered materials can be used. If stability is more important, lower permeability material must be used.

PRIMARY CONSIDERATIONS IN SELECTING INDUCTORS

Function coil will perform-oscillator, tuned inductor, filter, choke, pulsed amplifier, other.

Operating frequency range-determines value of inductance required, allowable amount of distributed capacitance, core material to be used.

Self-resonant frequency-determines upper limit of operating frequency range.

Circuit application-approximate coil loading due to amplifying device (tube or transistor) determines in-circuit impedance and gain of stage.

Inductance value-fixed or adjustable, if adjustable, range required.

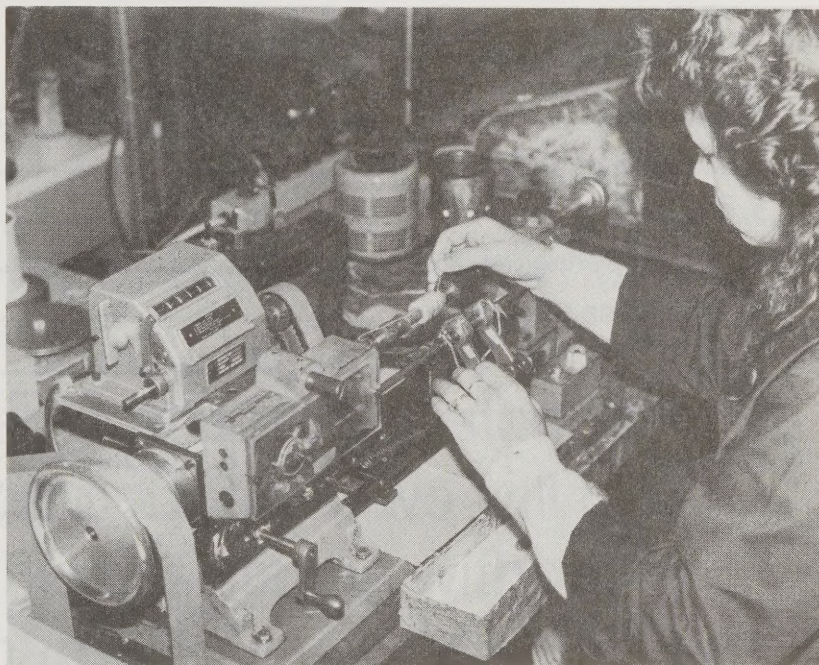
"Q"-maximum desired value of "Q" consistent with available materials and cost; a compromise of physical and electrical parameters.

Current in circuit-steady-state, pulsed approximate waveform.

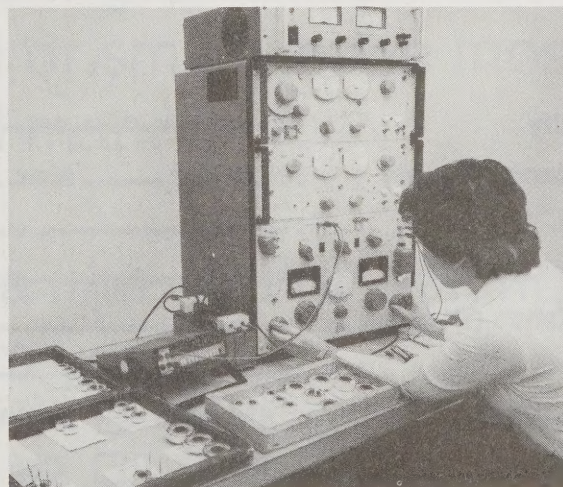
D.C. resistance-minimum d.c. resistance, consistent with available material and cost, gives more efficient performance.

Peak r.f. voltage-when r.f. voltages over 500 volts will be encountered, multi-pi chokes should be considered for advantages of voltage dividing effect.

Mounting location-with respect to other components, chassis and cabinet may change f. and Z of circuit by distorting magnetic field.



Production shipments of special coils begin within 3 weeks after sample approval. Intensive specialization in coil design and manufacture assures excellent performance.



Complete test facilities, including environmental testing, are maintained to assure highest product quality.

Request for Quotation:

Name _____ Title _____
Company _____ Phone () _____
Address _____
City _____ State _____ Zip Code _____

FIXED INDUCTORS

1. Quantity : _____
2. Inductance ($L \mu H$) : _____ Tolerance : _____
3. Q MIN. : _____
4. Current Rating ($I mA$) : _____
5. Resistance ($R \Omega$ ohms) : _____
6. Size : _____
7. Configuration : Molded ☐ Shielded ☐ Varnish ☐
8. Leads : Axial ☐ Radial ☐
9. Remarks : _____

VARIABLE INDUCTORS

1. Quantity : _____
2. Inductance ($L \mu H$) : Nominal _____ Max. _____ Min. _____ \pm % _____
3. Q MIN. : _____
4. Current Rating ($I mA$) : _____
5. Resistance ($R \Omega$ ohms) : _____
6. Size : _____
7. Configuration : Shielded ☐ Molded ☐ Varnish ☐
8. Mounting : PCB ☐ Clip ☐
9. Remarks : _____

IF YOU DON'T SEE WHAT YOU ARE LOOKING FOR . . .

In addition to the extensive listing of inductors and transformers shown in this catalog, we also manufacture thousands of custom magnetic components for hundreds of customers.

We will be more than happy to do the same for your company.

Send us your drawing or a sample of what you need and we will respond promptly to your request. If you need engineering assistance in the design of your components, we will be happy to provide this assistance without charge.

With multiple manufacturing facilities we can handle any order, large or small, in the most economical manner.

Give us a call or drop us a line. We're waiting to hear from you.

Fixed Inductor Selector Guide



Varnished



Heavy Duty



Molded Shielded

This guide is designed to help you by listing all FIXED INDUCTORS listed in the J.W. MILLER INDUSTRIAL CATALOG.....listed as follows:

- **FIRST COLUMN:** **INDUCTANCEuH = MICROHENRIES** *All Inductors and chokes listed in the catalog and this guide are shown in uH.....Microhenries.*

- **SECOND COLUMN:** **CURRENT RATING.mA = MILLIAMPERES** *(Where an "A" is listed ... such as 15A ... this designates.... AMPERES.*

- **THIRD COLUMN:** **RESISTANCE = OHMS ...dcMAXIMUM**

- **FOURTH COLUMN:** **CONFIGURATION ...or... TYPE.....as follows:**
 - M = MOLDED
 - S = SHIELDED
 - V = VARNISH
 - V-HD = VARNISH ..Heavy Duty
 - CC = CONFORMAL COATED [EPOXY]
 - SM = SURFACE MOUNT

- **FIFTH COLUMN:** **J.W. MILLER PART NUMBERS** *that are listed for that particular INDUCTANCE.*

- **EXAMPLE:** **.15 uH (MICROHENRIES)** *... There are Eleven Miller Part Numbers rated at .15 Uh. Seven are Molded Types ... One is Shielded ... Two are Varnish Types ... Two are Epoxy Coated.*
NOTE: The different resistances and current ratings available.

MICROHENRIES/MILLIHENRIES CROSS

A Microhenry = one thousandth of a Millihenry.

A Millihenry = one thousand Microhenries.

To change Microhenries to Millihenries = divide by 1,000. (Move the decimal point to the LEFT 3 places.)

Examples: 240 uH = .240 mH; 1250 uH = 1.250 mH

To change Millihenries to microhenries = multiply by 1,000. (Move the decimal point to the RIGHT 3 places.)

Examples: .100 mH = 100 uH; 2.0 mH = 2000 uH

NOTE: For additional data regarding each part number ... such as ... Q Min....Test Freq.... Fo Min.MHz ... Core Material & Size ... Refer to the index for page number listed.

Selector Guide

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
0.010	3000	0.020	M	100066	0.220	2800	0.035	M	9320-02
0.012	3000	0.020	M	100067	0.220	2800	0.020	V	4584
0.015	3000	0.020	M	100068	0.220	3000	0.030	M	100174
0.018	3000	0.020	M	100069	0.270	380	0.430	CC	78FR27M
0.022	3000	0.020	M	100070	0.270	690	0.230	SM	PM40-R-27M
0.027	3000	0.020	M	100071	0.270	855	0.110	M	9250-271
0.032	1000	0.000	M	75F238MPC	0.270	875	0.160	CC	8230-06
0.033	3000	0.020	M	100072	0.270	875	0.160	M	9230-06
0.039	1000	0.000	M	75F328MPC	0.270	1400	0.100	M	100083
0.039	3000	0.020	M	100073	0.270	1400	0.100	M	100097
0.047	3000	0.020	M	100074	0.270	2700	0.040	M	100175
0.049	1000	0.000	M	75F518MPC	0.275	500	0.000	M	75F277MPC
0.056	3000	0.020	M	100075	0.330	370	0.480	CC	78FR33M
0.068	2500	0.030	M	100076	0.330	690	0.250	SM	PM40-R-33M
0.082	2200	0.040	M	100077	0.330	780	0.200	CC	8230-08
0.100	740	0.200	SM	PM40-R-10M	0.330	780	0.200	M	9230-08
0.100	1100	0.070	CC	8230-94	0.330	780	0.130	M	9250-331
0.100	1100	0.070	M	9230-94	0.330	1300	0.120	M	100084
0.100	1790	0.025	M	9250-101	0.330	1300	0.110	M	100098
0.100	2200	0.040	M	100078	0.330	1400	0.090	CC	8310-04
0.100	2200	0.040	M	100092	0.330	1400	0.090	M	9310-04
0.100	3000	0.017	V	4580	0.330	1690	0.070	V	70F337AP
0.100	3922	0.013	V	70F107AP	0.330	2000	0.065	M	9320-04
0.100	4000	0.020	M	100170	0.330	2500	0.050	M	100176
0.108	1000	0.000	M	75F117MPC	0.330	2600	0.024	V	4586
0.120	1100	0.080	CC	8230-96	0.364	500	0.000	M	75F397MPC
0.120	1100	0.080	M	9230-96	0.390	350	0.510	CC	78FR39M
0.120	1530	0.034	M	9250-121	0.390	640	0.300	CC	8230-10
0.120	2000	0.050	M	100079	0.390	640	0.300	M	9230-10
0.120	2000	0.050	M	100093	0.390	640	0.260	SM	PM40-R-39M
0.120	3500	0.025	M	100171	0.390	670	0.180	M	9250-391
0.142	1000	0.000	M	75F157MPC	0.390	1150	0.150	M	100085
0.150	1100	0.100	CC	8230-00	0.390	1200	0.140	M	100099
0.150	1100	0.100	M	9230-00	0.390	2000	0.080	M	100177
0.150	1470	0.037	M	9250-151	0.470	330	0.560	CC	78FR47M
0.150	1800	0.060	M	100080	0.470	565	0.250	M	9250-471
0.150	1800	0.060	M	100094	0.470	590	0.350	CC	8230-12
0.150	2450	0.030	CC	8310-00	0.470	590	0.350	M	9230-12
0.150	2450	0.030	M	9310-00	0.470	610	0.290	SM	PM40-R-47M
0.150	2828	0.025	V	70F157AP	0.470	1000	0.200	M	100086
0.150	2900	0.018	V	4582	0.470	1100	0.170	M	100100
0.150	3000	0.030	M	100172	0.470	1225	0.120	CC	8310-06
0.150	3000	0.030	M	9320-00	0.470	1225	0.120	M	9310-06
0.180	1010	0.120	CC	8230-02	0.470	1264	0.125	V	70F477AP
0.180	1010	0.125	M	9230-02	0.470	1700	0.085	M	9320-06
0.180	1300	0.047	M	9250-181	0.470	1970	0.060	M	9330-00
0.180	1600	0.070	M	100081	0.470	2000	0.080	M	100178
0.180	1600	0.070	M	100095	0.470	2500	0.034	V	4588
0.180	3000	0.030	M	100173	0.490	500	0.000	M	75F477MPC
0.220	400	0.400	CC	78FR22M	0.560	320	0.610	CC	78FR56M
0.220	600	0.019	V	RFC-420	0.560	490	0.330	M	9250-561
0.220	740	0.200	SM	PM40-R-22M	0.560	495	0.500	CC	8230-14
0.220	935	0.140	CC	8230-04	0.560	495	0.500	M	9230-14
0.220	935	0.145	M	9230-04	0.560	550	0.350	SM	PM40-R-68M
0.220	1100	0.067	M	9250-221	0.560	590	0.310	SM	PM40-R-56M
0.220	1500	0.080	M	100082	0.560	900	0.250	M	100087
0.220	1500	0.080	M	100096	0.560	1000	0.220	M	100101
0.220	1900	0.055	CC	8310-02	0.560	1220	0.135	CC	8310-07
0.220	1900	0.055	M	9310-02	0.560	1220	0.135	M	9310-07
0.220	2294	0.038	V	70F227AP	0.560	1450	0.125	M	9320-07

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
0.560	1700	0.100	M	100179	1.200	825	0.180	M	9230-22
0.560	1850	0.080	M	9330-01	1.200	880	0.210	CC	77F1R2K
0.570	500	0.000	M	75F597MPC	1.200	895	0.100	M	9250-122
0.680	310	0.670	CC	78FR68M	1.200	950	0.220	V	74F126AP
0.680	420	0.450	M	9250-681	1.200	1000	0.350	M	100183
0.680	450	0.600	CC	8230-16	1.200	1118	0.160	CC	9380-02
0.680	450	0.600	M	9230-16	1.200	1120	0.190	M	9330-05
0.680	800	0.300	M	100088	1.200	1666	0.072	V	70F126AI
0.680	900	0.270	M	100102	1.200	2400	0.075	M	9340-00
0.680	1000	0.200	V	70F687AP	1.200	2700	0.040	M	100208
0.680	1100	0.150	CC	8310-08	1.200	3200	0.019	V-HD	5300-02
0.680	1100	0.150	M	9310-08	1.500	250	1.000	CC	78F1R5M
0.680	1300	0.150	M	9320-08	1.500	410	0.600	SM	PM40-1R5M
0.680	1500	0.120	M	100180	1.500	600	0.500	CC	8310-16
0.680	1700	0.080	M	9330-02	1.500	600	0.500	M	9310-16
0.680	2400	0.036	V	4590	1.500	630	0.500	M	100106
0.750	870	0.264	V	70F757AP	1.500	700	0.485	M	9320-12
0.750	2200	0.040	V	4592	1.500	745	0.220	CC	8230-24
0.820	290	0.740	CC	78FR82M	1.500	745	0.220	M	9230-24
0.820	370	0.590	M	9250-821	1.500	815	0.120	M	9250-152
0.820	380	0.850	CC	8230-18	1.500	830	0.230	CC	77F1R5K
0.820	380	0.850	M	9230-18	1.500	850	0.430	M	100184
0.820	520	0.390	SM	PM40-R-82M	1.500	900	0.250	V	74F156AP
0.820	600	0.041	V	RFC-220	1.500	925	0.280	M	9330-06
0.820	750	0.350	M	100089	1.500	1085	0.170	CC	9380-03
0.820	800	0.300	M	100103	1.500	1443	0.096	V	70F156AI
0.820	830	0.290	V	70F827AP	1.500	1800	0.093	V	4604
0.820	900	0.220	CC	8310-10	1.500	2150	0.090	M	9340-02
0.820	900	0.220	M	9310-10	1.500	2700	0.040	M	100209
0.820	1100	0.205	M	9320-09	1.500	3100	0.020	V-HD	5300-03
0.820	1300	0.180	M	100181	1.720	600	0.120	V	RFC-144
0.820	1520	0.110	M	9330-03	1.800	240	1.100	CC	78F1R8M
0.820	2100	0.043	V	4594	1.800	390	0.650	SM	PM40-1R8M
1.000	270	0.800	CC	78F1R0M	1.800	525	0.650	CC	8310-18
1.000	350	1.000	CC	8230-20	1.800	525	0.650	M	9310-18
1.000	350	1.000	M	9230-20	1.800	530	0.700	M	100107
1.000	450	0.500	SM	PM40-1R0M	1.800	580	0.740	M	9320-13
1.000	700	0.400	M	100090	1.800	640	0.300	CC	8230-26
1.000	750	0.350	M	100104	1.800	640	0.300	M	9230-26
1.000	830	0.290	CC	8310-12	1.800	720	0.650	M	100185
1.000	830	0.290	M	9310-12	1.800	775	0.140	M	9250-182
1.000	920	0.170	CC	77F1R0K	1.800	790	0.250	CC	77F1R8K
1.000	930	0.290	M	9320-10	1.800	790	0.370	M	9330-07
1.000	1000	0.200	V	74F106AP	1.800	850	0.280	V	74F186AP
1.000	1070	0.070	M	9250-102	1.800	1054	0.180	CC	9380-04
1.000	1100	0.240	M	100182	1.800	1443	0.096	V	70F186AI
1.000	1155	0.150	CC	9380-01	1.800	1750	0.135	M	9340-03
1.000	1290	0.140	M	9330-04	1.800	2500	0.050	M	100210
1.000	2000	0.050	V	4602	1.800	2900	0.023	V-HD	5300-04
1.000	2041	0.048	V	70F106AI	2.200	230	1.200	CC	78F2R2M
1.000	2700	0.040	M	100207	2.200	380	0.700	SM	PM40-2R2M
1.000	3300	0.018	V-HD	5300-01	2.200	435	0.950	CC	8310-20
1.100	2800	0.090	M	9360-01	2.200	435	0.950	M	9310-20
1.200	260	0.900	CC	78F1R2M	2.200	470	0.900	M	100108
1.200	430	0.550	SM	PM40-1R2M	2.200	505	0.970	M	9320-14
1.200	650	0.420	CC	8310-14	2.200	550	0.400	CC	8230-28
1.200	650	0.420	M	9310-14	2.200	550	0.400	M	9230-28
1.200	700	0.400	M	100105	2.200	610	0.800	M	100186
1.200	785	0.400	M	9320-11	2.200	650	0.190	M	9250-222
1.200	825	0.180	CC	8230-22	2.200	680	0.500	M	9330-08

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
2.200	750	0.280	CC	77F2R2K	3.900	1000	0.450	V	4608
2.200	800	0.300	V	74F226AP	3.900	1200	0.230	M	100189
2.200	1026	0.190	CC	9380-05	3.900	1250	0.155	M	9320-20
2.200	1132	0.156	V	70F226AI	3.900	1800	0.060	V-HD	5300-08
2.200	1600	0.160	M	9340-04	3.900	2100	0.070	M	100214
2.200	1800	0.200	M	9360-02	4.000	8000	0.012	V-HD	5230
2.200	2500	0.050	M	100211	4.700	190	1.700	CC	78F4R7K
2.200	2600	0.031	V-HD	5300-05	4.700	260	2.600	CC	8310-28
2.400	1500	0.190	V	4606	4.700	260	2.600	M	9310-28
2.700	220	1.300	CC	78F2R7M	4.700	315	1.000	SM	PM40-4R7M
2.700	370	0.750	SM	PM40-2R7M	4.700	320	1.200	CC	8230-36
2.700	385	1.200	CC	8310-22	4.700	320	1.200	M	9230-36
2.700	385	1.200	M	9310-22	4.700	330	1.800	M	100112
2.700	420	1.100	M	100109	4.700	360	1.800	M	9330-16
2.700	460	1.200	M	9320-16	4.700	380	0.550	M	9250-472
2.700	495	0.500	CC	8230-30	4.700	400	1.000	V	74F276AP
2.700	495	0.500	M	9230-30	4.700	400	1.000	V	74F476AP
2.700	535	0.280	M	9250-272	4.700	620	0.390	CC	77F4R7K
2.700	600	0.650	M	9330-10	4.700	661	0.457	V	70F476AI
2.700	720	0.300	CC	77F2R7K	4.700	860	0.560	M	9340-12
2.700	1000	0.200	CC	9380-06	4.700	933	0.230	CC	9380-09
2.700	1091	0.168	V	70F276AI	4.700	1000	0.300	M	100190
2.700	1350	0.220	M	9340-06	4.700	1100	0.210	M	9320-22
2.700	1600	0.120	M	100187	4.700	1100	0.600	M	9360-04
2.700	2500	0.050	M	100212	4.700	1700	0.068	V-HD	5300-09
2.700	2500	0.033	V-HD	5300-06	4.700	1800	0.090	M	100215
3.300	210	1.300	CC	78F3R3K	4.900	15000	0.016	V-HD	5219
3.300	300	2.000	CC	8310-24	5.000	10000	0.013	V-HD	5501
3.300	300	2.000	M	9310-24	5.000	14000	0.009	V-HD	5508
3.300	355	0.800	SM	PM40-3R3M	5.000	15000	0.007	V-HD	5601
3.300	380	0.850	CC	8230-32	5.000	19000	0.006	V-HD	5515
3.300	380	0.850	M	9230-32	5.000	20000	0.005	V-HD	5610
3.300	390	1.300	M	100110	5.000	23000	0.004	V-HD	5521
3.300	480	0.350	M	9250-332	5.500	850	0.670	V	4609
3.300	480	1.000	M	9330-12	5.600	180	1.900	CC	78F5R6K
3.300	600	0.700	V	74F336AP	5.600	260	1.800	CC	8230-38
3.300	670	0.340	CC	77F3R3K	5.600	260	1.800	M	9230-38
3.300	912	0.240	V	70F336AI	5.600	300	1.100	SM	PM40-5R6M
3.300	976	0.210	CC	9380-07	5.600	310	2.000	M	100113
3.300	1150	0.305	M	9340-08	5.600	335	0.720	M	9250-562
3.300	1350	0.140	M	9320-18	5.600	350	1.800	V	74F566AP
3.300	1400	0.150	M	100188	5.600	590	0.430	CC	77F5R6K
3.300	1500	0.320	M	9360-03	5.600	637	0.492	V	70F566AI
3.300	1900	0.054	V-HD	5300-07	5.600	745	0.745	M	9340-14
3.300	2500	0.050	M	100213	5.600	750	0.320	CC	8310-30
3.350	20000	0.010	V-HD	5218	5.600	750	0.320	M	9310-30
3.900	200	1.600	CC	78F3R9K	5.600	900	0.450	M	100191
3.900	280	2.300	M	9310-26	5.600	913	0.240	CC	9380-10
3.900	330	0.900	SM	PM40-3R9M	5.600	935	0.280	M	9320-24
3.900	350	1.000	CC	8230-34	5.600	1340	0.130	M	9330-18
3.900	350	1.000	M	9230-34	5.600	1550	0.140	M	100216
3.900	360	1.500	M	100111	5.600	1600	0.074	V-HD	5300-10
3.900	380	2.300	CC	8310-26	6.200	700	0.830	V	4610
3.900	440	1.200	M	9330-14	6.800	175	2.000	CC	78F6R8K
3.900	450	0.400	M	9250-392	6.800	245	2.000	CC	8230-40
3.900	500	0.800	V	74F396AP	6.800	245	2.000	M	9230-40
3.900	640	0.370	CC	77F3R9K	6.800	280	1.020	M	9250-682
3.900	870	0.264	V	70F396AI	6.800	285	1.200	SM	PM40-6R8M
3.900	953	0.220	CC	9380-08	6.800	300	2.200	M	100114
3.900	955	0.450	M	9340-10	6.800	300	1.850	V	74F686AP

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
6.800	550	0.480	CC	77F6R8K	10.000	11000	0.003	V-HD	5701
6.800	566	0.624	V	70F686AI	10.000	12000	0.012	V-HD	5509
6.800	600	0.500	CC	8310-32	10.000	14000	0.008	V-HD	5602
6.800	600	0.500	M	9310-32	10.000	16000	0.008	V-HD	5516
6.800	635	1.050	M	9340-16	10.000	17000	0.006	V-HD	5611
6.800	800	0.550	M	100192	10.000	20000	0.006	V-HD	5522
6.800	800	1.100	M	9360-05	12.000	150	2.500	CC	78F120K
6.800	810	0.375	M	9320-26	12.000	200	2.000	M	9250-123
6.800	894	0.250	CC	9380-11	12.000	200	3.600	V	74F125AP
6.800	1080	0.200	M	9330-20	12.000	210	2.700	CC	8230-46
6.800	1300	0.170	M	100217	12.000	210	2.700	M	9230-46
6.800	1600	0.080	V-HD	5300-11	12.000	225	2.000	SM	PM40-120K
7.500	566	0.624	V	70F756AI	12.000	267	1.680	V	70F125AI
8.200	165	2.200	CC	78F8R2K	12.000	344	1.690	V	72F125AP
8.200	210	2.700	CC	8230-42	12.000	395	2.650	M	9340-22
8.200	210	2.700	M	9230-42	12.000	404	1.100	CC	8310-38
8.200	250	1.320	M	9250-822	12.000	404	1.100	M	9310-38
8.200	270	1.400	SM	PM40-8R2M	12.000	480	0.630	CC	77F120K
8.200	275	1.900	V	74F826AP	12.000	490	1.050	M	9320-32
8.200	290	2.400	M	100115	12.000	500	1.300	M	100118
8.200	518	0.744	V	70F826AI	12.000	590	1.100	M	100195
8.200	530	0.520	CC	77F8R2K	12.000	667	0.450	CC	9380-14
8.200	545	0.600	CC	8310-34	12.000	720	0.450	M	9330-26
8.200	545	0.600	M	9310-34	12.000	870	0.470	M	100220
8.200	550	1.400	M	9340-18	12.000	1400	0.110	V-HD	5300-14
8.200	600	1.200	V	4611	12.000	1600	0.230	M	100245
8.200	600	0.310	V	RFC-50	15.000	145	2.800	CC	78F150K
8.200	720	0.650	M	100193	15.000	150	6.000	V	74F155AP
8.200	750	0.440	M	9320-28	15.000	200	2.500	SM	PM40-150K
8.200	877	0.260	CC	9380-12	15.000	205	2.800	CC	8230-48
8.200	1030	0.220	M	9330-22	15.000	205	2.800	M	9230-48
8.200	1150	0.250	M	100218	15.000	250	1.920	V	70F155AI
8.200	1500	0.087	V-HD	5300-12	15.000	315	0.800	M	9250-153
8.800	10000	0.021	V-HD	5220	15.000	329	1.850	V	72F155AP
9.100	288	1.440	V	70F916AI	15.000	355	3.250	M	9340-24
10.000	160	2.500	CC	78F100K	15.000	370	1.400	CC	8310-40
10.000	180	3.700	CC	8230-44	15.000	370	1.400	M	9310-40
10.000	180	3.700	M	9230-44	15.000	450	1.500	M	100119
10.000	220	1.620	M	9250-103	15.000	460	0.720	CC	77F150K
10.000	250	3.000	V	74F105AP	15.000	460	1.200	M	9320-34
10.000	250	1.600	SM	PM40-100K	15.000	500	1.400	M	100196
10.000	277	1.560	V	70F105AI	15.000	500	55.000	M	9360-07
10.000	280	2.600	M	100116	15.000	632	0.500	CC	9380-15
10.000	356	1.580	V	72F105AP	15.000	670	0.520	M	9330-28
10.000	445	0.900	CC	8310-36	15.000	730	0.620	M	100221
10.000	445	0.900	M	9310-36	15.000	1000	0.170	V	4624
10.000	460	1.900	M	9340-20	15.000	1200	0.150	V-HD	5300-15
10.000	500	1.500	V	4612	15.000	1300	0.300	M	100246
10.000	500	0.580	CC	77F100K	18.000	100	7.500	V	74F185AP
10.000	550	1.100	M	100117	18.000	140	3.100	CC	78F180K
10.000	600	1.800	M	9360-06	18.000	190	2.800	SM	PM40-180K
10.000	640	0.605	M	9320-30	18.000	195	3.100	CC	8230-50
10.000	650	0.730	M	100194	18.000	195	3.100	M	9230-50
10.000	707	0.400	CC	9380-13	18.000	229	2.280	V	70F185AI
10.000	950	0.260	M	9330-24	18.000	280	2.250	CC	8310-42
10.000	1000	0.320	M	100219	18.000	280	2.250	M	9310-42
10.000	1500	0.110	V	4622	18.000	300	0.890	M	9250-183
10.000	1500	0.095	V-HD	5300-13	18.000	310	2.080	V	72F185AP
10.000	1800	0.150	M	100244	18.000	315	4.150	M	9340-26
10.000	9000	0.017	V-HD	5502	18.000	360	1.950	M	9320-35

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18.000	410	1.900	M	100120	27.000	15000	0.010	V-HD	5523
18.000	430	0.770	CC	77F180K	30.000	255	2.800	CC	8310-50
18.000	460	1.600	M	100197	30.000	255	2.800	M	9310-50
18.000	580	0.700	M	9330-30	33.000	120	4.100	CC	78F330K
18.000	603	0.550	CC	9380-16	33.000	160	4.000	SM	PM40-330K
18.000	660	0.720	M	100222	33.000	187	3.400	CC	8230-56
18.000	1100	0.160	V-HD	5300-16	33.000	187	3.400	M	9230-56
18.000	1150	0.400	M	100247	33.000	208	2.760	V	70F335AI
22.000	130	3.400	CC	78F220K	33.000	240	1.370	M	9250-333
22.000	180	3.200	SM	PM40-220K	33.000	250	3.000	CC	8310-52
22.000	190	3.300	CC	8230-52	33.000	250	3.000	M	9310-52
22.000	190	3.300	M	9230-52	33.000	264	2.870	V	72F335AP
22.000	229	2.280	V	70F225AI	33.000	300	3.500	M	100200
22.000	265	2.500	CC	8310-44	33.000	320	3.300	M	100123
22.000	265	2.500	M	9310-44	33.000	370	1.030	CC	77F330J
22.000	290	0.960	M	9250-223	33.000	390	1.500	M	9330-36
22.000	296	2.280	V	72F225AP	33.000	450	1.500	M	100225
22.000	335	2.200	M	9320-36	33.000	450	2.000	V	74F335AI
22.000	380	2.300	M	100121	33.000	530	0.710	CC	9380-19
22.000	410	0.840	CC	77F220K	33.000	850	0.700	M	100250
22.000	430	1.800	M	100198	33.000	865	0.550	M	9340-32
22.000	480	1.000	M	9330-32	33.000	910	0.240	V-HD	5300-19
22.000	500	2.000	V	74F225AI	33.000	1100	0.600	M	9360-09
22.000	577	0.600	CC	9380-17	36.000	180	2.500	CC	8210-54
22.000	600	0.800	M	100223	36.000	180	2.500	M	9210-54
22.000	1000	0.500	M	100248	38.500	600	1.630	V	RFC-21
22.000	1000	0.190	V-HD	5300-17	39.000	115	4.500	CC	78F390K
22.000	1150	0.295	M	9340-28	39.000	150	4.500	SM	PM40-390K
22.000	1500	0.300	M	9360-08	39.000	176	2.600	CC	8210-56
24.000	265	2.500	CC	8310-46	39.000	176	2.600	M	9210-56
24.000	265	2.500	M	9310-46	39.000	180	3.600	CC	8230-58
24.000	600	0.840	V	RFC-28	39.000	180	3.600	M	9230-58
24.000	800	0.340	V	4626	39.000	188	3.360	V	70F395AI
25.000	213	2.640	V	70F255AI	39.000	205	1.930	M	9250-393
25.000	5500	0.012	V-HD	5702	39.000	252	3.140	V	72F395AP
25.000	8000	0.023	V-HD	5603	39.000	290	3.800	M	100201
25.000	9000	0.012	V-HD	5706	39.000	290	3.900	M	100124
25.000	14000	0.009	V-HD	5612	39.000	340	2.000	M	9330-38
27.000	125	3.800	CC	78F270K	39.000	350	1.120	CC	77F390J
27.000	170	3.600	SM	PM40-270K	39.000	380	2.300	M	100226
27.000	185	3.500	CC	8230-54	39.000	400	2.600	V	74F395AI
27.000	185	3.500	M	9230-54	39.000	510	0.770	CC	9380-20
27.000	213	2.640	V	70F275AI	39.000	600	0.650	V	4628
27.000	260	2.600	CC	8310-48	39.000	720	1.100	M	100251
27.000	260	2.600	M	9310-48	39.000	810	0.650	M	9340-34
27.000	260	1.190	M	9250-273	39.000	880	0.260	V-HD	5300-20
27.000	281	2.540	V	72F275AP	40.000	3000	0.082	V-HD	5240
27.000	300	2.750	M	9320-38	43.000	172	2.700	CC	8210-58
27.000	350	2.700	M	100122	43.000	172	2.700	M	9210-58
27.000	360	2.700	M	100199	47.000	110	4.900	CC	78F470K
27.000	390	0.940	CC	77F270K	47.000	140	5.800	SM	PM40-470K
27.000	420	1.300	M	9330-34	47.000	165	4.500	CC	8230-60
27.000	520	1.200	M	100224	47.000	165	4.500	M	9230-60
27.000	554	0.650	CC	9380-18	47.000	170	2.750	CC	8210-60
27.000	900	0.600	M	100249	47.000	170	2.750	M	9210-60
27.000	950	0.220	V-HD	5300-18	47.000	188	3.360	V	70F475AI
27.000	1050	0.350	M	9340-30	47.000	195	2.110	M	9250-473
27.000	7000	0.030	V-HD	5503	47.000	195	5.900	M	9350-00
27.000	9000	0.022	V-HD	5510	47.000	241	3.430	V	72F475AP
27.000	12500	0.014	V-HD	5517	47.000	260	4.700	M	100125

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
47.000	275	4.000	M	100202	68.000	447	1.000	CC	9380-23
47.000	300	3.000	M	100227	68.000	450	2.400	M	100254
47.000	340	1.220	CC	77F470J	68.000	470	1.850	M	9340-39
47.000	350	3.500	V	74F275AI	68.000	610	0.530	V-HD	5300-23
47.000	350	3.500	V	74F475AI	68.000	5000	0.054	V-HD	5248
47.000	490	0.830	CC	9380-21	68.000	7300	0.034	V-HD	5512
47.000	620	1.300	M	100252	68.000	10000	0.023	V-HD	5519
47.000	640	1.000	M	9340-36	75.000	147	3.700	CC	8210-70
47.000	700	1.200	M	9360-10	75.000	147	3.700	M	9210-70
47.000	760	0.350	V-HD	5300-21	75.000	162	4.560	V	70F755AI
50.000	5600	0.045	V-HD	5504	75.000	5000	0.030	V-HD	5707
50.000	6600	0.034	V-HD	5604	82.000	95	6.300	CC	78F820K
50.000	8000	0.028	V-HD	5511	82.000	120	7.900	SM	PM40-820K
50.000	8000	0.060	V-HD	7825-8	82.000	130	7.300	CC	8230-66
50.000	8000	0.060	V-HD	D-7825-8	82.000	130	7.300	M	9230-66
50.000	9500	0.012	V-HD	5711	82.000	143	3.900	CC	8210-72
50.000	10000	0.017	V-HD	5613	82.000	143	3.900	M	9210-72
50.000	10500	0.020	V-HD	5518	82.000	158	4.800	V	70F825AI
50.000	14000	0.012	V-HD	5619	82.000	180	2.440	M	9250-823
50.000	15000	0.013	V-HD	5524	82.000	200	8.100	M	100128
51.000	167	2.850	CC	8210-62	82.000	200	5.100	V	74F825AI
51.000	167	2.850	M	9210-62	82.000	212	4.440	V	72F825AP
55.000	500	1.000	V	4629	82.000	220	6.200	M	100230
56.000	105	5.300	CC	78F560K	82.000	235	5.300	M	100205
56.000	135	6.300	SM	PM40-560K	82.000	245	3.500	M	9350-06
56.000	145	5.700	CC	8230-62	82.000	290	1.620	CC	77F820J
56.000	145	5.700	M	9230-62	82.000	378	1.400	CC	9380-24
56.000	164	3.000	CC	8210-64	82.000	425	2.800	M	100255
56.000	164	3.000	M	9210-64	82.000	440	2.100	M	9340-40
56.000	176	3.840	V	70F565AI	82.000	450	1.900	V	4631
56.000	185	6.400	M	9350-02	82.000	580	0.600	V-HD	5300-24
56.000	190	2.230	M	9250-563	82.000	600	2.200	M	9360-11
56.000	232	3.720	V	72F565AP	84.000	600	4.320	V	RFC-14
56.000	240	5.600	M	100126	91.000	136	4.300	CC	8210-74
56.000	265	4.400	M	100203	91.000	136	4.300	M	9210-74
56.000	270	4.200	M	100228	91.000	156	4.920	V	70F915AI
56.000	300	3.750	V	74F565AI	100.000	90	7.000	CC	78F101K
56.000	320	1.340	CC	77F560J	100.000	110	8.800	SM	PM40-101K
56.000	471	0.900	CC	9380-22	100.000	125	8.000	CC	8230-68
56.000	540	1.800	M	100253	100.000	125	8.000	M	9230-68
56.000	610	1.150	M	9340-38	100.000	133	4.500	CC	8210-76
56.000	650	0.470	V-HD	5300-22	100.000	133	4.500	M	9210-76
62.000	160	3.150	CC	8210-66	100.000	139	7.680	V	70F104AI
62.000	160	3.150	M	9210-66	100.000	150	6.000	V	74F104AI
62.000	475	1.200	V	4630	100.000	160	3.120	M	9250-104
68.000	100	5.800	CC	78F680K	100.000	160	5.400	V	4642
68.000	130	7.100	SM	PM40-680K	100.000	180	9.700	M	100129
68.000	135	6.700	CC	8230-64	100.000	197	5.160	V	72F104AP
68.000	135	6.700	M	9230-64	100.000	200	7.000	M	100231
68.000	156	3.300	CC	8210-68	100.000	220	6.000	M	100206
68.000	156	3.300	M	9210-68	100.000	235	3.800	M	9350-08
68.000	169	4.200	V	70F685AI	100.000	250	2.000	V	73F104AF
68.000	170	2.700	M	9250-683	100.000	275	1.800	CC	77F101J
68.000	218	4.200	V	72F685AP	100.000	280	6.000	M	100142
68.000	220	6.800	M	100127	100.000	359	1.550	CC	9380-25
68.000	250	4.700	M	100204	100.000	400	3.000	V	4632
68.000	250	5.200	M	100229	100.000	400	3.200	M	100256
68.000	250	4.000	V	74F685AI	100.000	405	2.500	M	9340-42
68.000	255	3.300	M	9350-04	100.000	500	2.800	M	9360-12
68.000	305	1.470	CC	77F680J	100.000	550	0.670	V-HD	5300-25

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
100.000	2000	0.216	V-HD	5250	150.000	4750	0.046	V-HD	5712
100.000	4500	0.072	V-HD	5605	150.000	6300	0.046	V-HD	5514
100.000	4900	0.061	V-HD	5505	160.000	111	6.400	CC	8210-86
100.000	5000	0.120	V-HD	7825-5	160.000	111	6.400	M	9210-86
100.000	5000	0.120	V-HD	D-7825-5	180.000	79	17.000	CC	8230-74
100.000	6800	0.038	V-HD	5513	180.000	79	17.000	M	9230-74
100.000	7000	0.034	V-HD	5614	180.000	80	16.000	CC	78F181K
100.000	9800	0.025	V-HD	5620	180.000	102	13.000	SM	PM40-181K
100.000	10000	0.027	V-HD	5520	180.000	108	6.750	CC	8210-88
100.000	14000	0.018	V-HD	5626	180.000	108	6.750	M	9210-88
110.000	128	4.900	CC	8210-78	180.000	135	4.400	M	9250-184
110.000	128	4.900	M	9210-78	180.000	135	8.160	V	70F184AI
120.000	90	13.000	CC	78F121K	180.000	140	17.000	M	100132
120.000	97	13.000	CC	8230-70	180.000	165	4.600	CC	77F181J
120.000	97	13.000	M	9230-70	180.000	169	7.020	V	72F184AP
120.000	110	10.000	SM	PM40-121K	180.000	185	9.000	M	100234
120.000	124	5.200	CC	8210-80	180.000	220	10.000	M	100145
120.000	124	5.200	M	9210-80	180.000	225	5.500	M	9350-14
120.000	135	8.160	V	70F124AI	180.000	240	9.500	M	100259
120.000	150	3.600	M	9250-124	180.000	250	2.900	V	73F184AF
120.000	160	12.000	M	100130	180.000	298	2.250	CC	9380-28
120.000	185	3.700	CC	77F121J	180.000	380	1.400	V-HD	5300-28
120.000	185	3.700	CC	77F221J	200.000	106	7.100	CC	8210-90
120.000	188	5.640	V	72F124AP	200.000	106	7.100	M	9210-90
120.000	200	7.500	M	100232	200.000	120	10.300	V	70F204AI
120.000	215	4.700	M	9350-10	200.000	15000	0.100	V-HD	7828
120.000	250	2.200	V	73F124AF	200.000	15000	0.100	V-HD	D-7828
120.000	260	7.000	M	100143	208.000	600	9.360	V	RFC-7
120.000	315	4.100	M	9340-44	220.000	73	21.000	CC	8230-76
120.000	348	1.650	CC	9380-26	220.000	73	21.000	M	9230-76
120.000	360	4.800	M	100257	220.000	75	17.000	CC	78F221K
120.000	400	4.000	M	9360-13	220.000	100	13.000	SM	PM40-221K
120.000	470	0.900	V-HD	5300-26	220.000	103	7.450	CC	8210-92
125.000	2750	0.120	V-HD	5703	220.000	103	7.450	M	9210-92
125.000	3500	0.080	V-HD	5252	220.000	114	11.500	V	70F224AI
125.000	7750	0.032	V-HD	5716	220.000	125	5.000	M	9250-224
130.000	121	5.450	CC	8210-82	220.000	130	20.000	M	100133
130.000	121	5.450	M	9210-82	220.000	159	7.910	V	72F224AP
135.000	20000	0.060	V-HD	7829	220.000	180	10.000	M	100235
135.000	20000	0.060	V-HD	D-7829	220.000	200	12.000	M	100260
150.000	85	15.000	CC	78F151K	220.000	200	12.000	M	100146
150.000	85	15.000	CC	8230-72	220.000	220	5.900	M	9350-16
150.000	85	15.000	M	9230-72	220.000	250	3.200	V	73F224AF
150.000	105	11.000	SM	PM40-151K	220.000	277	2.600	CC	9380-29
150.000	114	6.050	CC	8210-84	220.000	320	1.900	V-HD	5300-29
150.000	114	6.050	M	9210-84	240.000	101	7.800	CC	8210-94
150.000	135	8.160	V	70F154AI	240.000	101	7.800	M	9210-94
150.000	140	4.100	M	9250-154	240.000	160	8.500	V	4646
150.000	150	14.000	M	100131	250.000	111	12.100	V	70F254AI
150.000	160	6.500	V	4644	250.000	2500	0.170	V-HD	5254
150.000	175	4.200	CC	77F151J	250.000	2900	0.173	V-HD	5606
150.000	177	6.360	V	72F154AP	250.000	3000	0.300	V-HD	7825-3
150.000	190	8.000	M	100233	250.000	3000	0.300	V-HD	D-7825-3
150.000	200	5.300	M	9350-12	250.000	4000	0.089	V-HD	5507
150.000	240	8.000	M	100144	250.000	4600	0.083	V-HD	5615
150.000	250	2.500	V	73F154AF	250.000	6400	0.059	V-HD	5621
150.000	280	6.400	M	100258	250.000	8000	0.041	V-HD	5721
150.000	316	2.000	CC	9380-27	250.000	9000	0.040	V-HD	5627
150.000	410	1.200	V-HD	5300-27	266.000	600	12.960	V	RFC-3.5
150.000	4600	0.069	V-HD	5506	270.000	65	25.000	CC	8230-78

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
270.000	65	25.000	M	9230-78	450.000	1500	0.490	V-HD	5705
270.000	70	6.500	CC	78F271J	470.000	50	42.000	CC	8230-84
270.000	92	14.000	SM	PM40-271K	470.000	50	42.000	M	9230-84
270.000	106	13.200	V	70F274AI	470.000	53	11.600	CC	78F471J
270.000	110	8.200	M	9220-00	470.000	62	31.000	SM	PM40-471K
270.000	115	5.800	M	9250-274	470.000	92	9.500	M	9250-474
270.000	120	24.000	M	100134	470.000	95	16.300	V	70F474AI
270.000	145	5.800	CC	77F271J	470.000	95	11.100	M	9220-12
270.000	150	8.940	V	72F274AP	470.000	110	27.000	M	100137
270.000	172	11.000	M	100236	470.000	126	7.700	CC	77F471J
270.000	180	14.000	M	100147	470.000	129	12.000	V	72F474AP
270.000	195	13.000	M	100261	470.000	140	24.000	M	100150
270.000	210	6.600	M	9350-18	470.000	150	14.000	M	100239
270.000	250	3.600	V	73F274AF	470.000	170	17.000	M	100264
270.000	258	3.000	CC	9380-30	470.000	190	9.000	M	9350-24
270.000	310	2.100	V-HD	5300-30	470.000	200	4.800	V	73F474AF
275.000	2000	0.240	V-HD	5704	470.000	211	4.500	CC	9380-33
300.000	106	13.200	V	70F304AI	470.000	240	3.400	V-HD	5300-33
300.000	107	8.700	M	9220-02	500.000	91	18.000	V	70F504AI
330.000	62	28.000	CC	8230-80	500.000	93	11.600	M	9220-14
330.000	62	28.000	M	9230-80	500.000	2000	0.260	V-HD	5256
330.000	65	9.500	CC	78F331J	500.000	2000	0.378	V-HD	5607
330.000	85	16.000	SM	PM40-331K	500.000	3700	0.129	V-HD	5616
330.000	103	13.900	V	70F334AI	500.000	4000	0.150	V-HD	5717
330.000	105	9.100	M	9220-04	500.000	5000	0.090	V-HD	5622
330.000	110	6.400	M	9250-334	500.000	6500	0.085	V-HD	5628
330.000	130	19.000	M	100135	510.000	92	11.600	M	9220-15
330.000	137	6.000	CC	77F331J	550.000	160	13.000	V	4649
330.000	142	9.960	V	72F334AP	560.000	48	46.000	CC	8230-86
330.000	160	17.000	M	100148	560.000	48	46.000	M	9230-86
330.000	165	12.000	M	100237	560.000	50	35.000	SM	PM40-561K
330.000	185	7.800	M	9350-20	560.000	51	13.000	CC	78F561J
330.000	190	14.000	M	100262	560.000	88	19.200	V	70F564AI
330.000	239	3.500	CC	9380-31	560.000	90	10.500	M	9250-564
330.000	250	3.800	V	73F334AF	560.000	91	12.300	M	9220-16
330.000	290	2.400	V-HD	5300-31	560.000	100	32.000	M	100138
350.000	102	14.400	V	70F354AI	560.000	120	8.500	CC	77F561J
360.000	102	9.600	M	9220-06	560.000	123	13.200	V	72F564AP
370.000	10000	0.180	V-HD	7827	560.000	130	28.000	M	100151
370.000	10000	0.180	V-HD	D-7827	560.000	145	16.000	M	100240
390.000	55	35.000	CC	8230-82	560.000	165	18.500	M	100265
390.000	55	35.000	M	9230-82	560.000	180	10.000	M	9350-26
390.000	60	10.500	CC	78F391J	560.000	200	5.000	CC	9380-34
390.000	80	19.000	SM	PM40-391K	560.000	200	5.300	V	73F564AF
390.000	97	15.800	V	70F394AI	560.000	210	4.700	V-HD	5300-34
390.000	100	10.000	M	9220-08	570.000	5000	0.340	V-HD	7826
390.000	105	7.400	M	9250-394	570.000	5000	0.340	V-HD	D-7826
390.000	120	22.000	M	100136	600.000	2000	0.840	V-HD	7825
390.000	133	7.000	CC	77F391J	600.000	2000	0.840	V-HD	D-7825
390.000	135	10.900	V	72F394AP	620.000	88	13.000	M	9220-18
390.000	150	20.000	M	100149	620.000	160	15.000	V	4650
390.000	157	13.000	M	100238	680.000	42	60.000	CC	8230-88
390.000	160	11.000	V	4648	680.000	42	60.000	M	9230-88
390.000	180	15.500	M	100263	680.000	45	18.000	CC	78F681J
390.000	180	8.700	M	9350-22	680.000	50	39.000	SM	PM40-681K
390.000	224	4.000	CC	9380-32	680.000	80	11.800	M	9250-684
390.000	225	4.200	V	73F394AF	680.000	87	19.800	V	70F684AI
390.000	260	3.000	V-HD	5300-32	680.000	88	13.000	M	9220-20
400.000	2250	0.330	V-HD	5708	680.000	113	9.400	CC	77F681J
430.000	97	10.600	M	9220-10	680.000	117	14.600	V	72F684AP

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
680.000	120	33.000	M	100152	1200.000	60	22.100	M	9250-125
680.000	130	19.000	M	100139	1200.000	66	33.600	V	70F123AI
680.000	140	17.000	M	100241	1200.000	76	22.000	M	9220-32
680.000	155	20.000	M	100266	1200.000	120	31.000	M	100155
680.000	170	11.200	M	9350-28	1200.000	137	27.000	M	100269
680.000	180	6.400	V-HD	5300-35	1200.000	149	9.000	CC	9380-38
680.000	190	5.500	CC	9380-35	1200.000	150	7.800	V	73F123AF
680.000	200	6.000	V	73F684AF	1200.000	150	9.000	V-HD	5300-38
700.000	2250	0.420	V-HD	5713	1250.000	1750	0.850	V-HD	5714
750.000	80	22.900	V	70F754AI	1300.000	75	23.000	M	9220-34
750.000	83	14.400	M	9220-22	1500.000	55	26.500	M	9250-155
750.000	160	16.000	V	4651	1500.000	63	37.200	V	70F153AI
800.000	1750	0.640	V-HD	5709	1500.000	72	25.000	M	9220-36
820.000	30	45.000	SM	PM40-821K	1500.000	110	37.000	M	100156
820.000	40	65.000	CC	8230-90	1500.000	127	22.000	M	9350-34
820.000	40	65.000	M	9230-90	1500.000	130	29.000	M	100270
820.000	43	23.000	CC	78F821J	1500.000	130	12.000	V-HD	5300-39
820.000	80	22.900	V	70F824AI	1500.000	135	11.000	CC	9380-39
820.000	80	13.000	M	9250-824	1500.000	150	8.800	V	73F153AF
820.000	81	15.100	M	9220-24	1500.000	160	11.000	V	4664
820.000	105	10.500	CC	77F821J	1600.000	70	26.000	M	9220-38
820.000	110	39.000	M	100153	1600.000	1500	1.270	V-HD	5715
820.000	111	16.100	V	72F824AP	1800.000	50	29.900	M	9250-185
820.000	120	23.000	M	100140	1800.000	59	42.000	V	70F183AI
820.000	132	19.000	M	100242	1800.000	68	28.000	M	9220-40
820.000	149	6.000	CC	9380-36	1800.000	100	44.000	M	100157
820.000	150	22.000	M	100267	1800.000	120	14.000	CC	9380-40
820.000	155	13.000	M	9350-30	1800.000	120	14.000	V-HD	5300-40
820.000	170	7.100	V-HD	5300-36	1800.000	125	32.000	M	100271
820.000	200	6.800	V	73F824AF	1800.000	150	11.000	V	73F183AF
900.000	3750	0.175	V-HD	5722	1800.000	2500	0.550	V-HD	5723
910.000	79	24.000	V	70F914AI	2000.000	67	29.000	M	9220-42
910.000	79	15.800	M	9220-26	2000.000	125	26.000	M	9350-36
1000.000	30	53.000	SM	PM40-102K	2200.000	50	33.800	M	9250-225
1000.000	38	72.000	CC	8230-92	2200.000	57	45.600	V	70F223AI
1000.000	38	72.000	M	9230-92	2200.000	66	30.000	M	9220-44
1000.000	41	26.000	CC	78F102J	2200.000	90	52.000	M	100158
1000.000	70	17.500	M	9250-105	2200.000	100	19.000	V-HD	5300-41
1000.000	78	16.500	M	9220-28	2200.000	105	18.000	CC	9380-41
1000.000	79	24.000	V	70F103AI	2200.000	115	27.000	M	9350-37
1000.000	100	14.000	CC	77F102J	2200.000	120	35.000	M	100272
1000.000	100	45.000	M	100154	2200.000	150	12.000	V	73F223AF
1000.000	102	19.100	V	72F103AP	2250.000	1750	0.920	V-HD	5719
1000.000	110	27.000	M	100141	2400.000	64	31.000	M	9220-46
1000.000	125	21.000	M	100243	2400.000	160	15.000	V	4666
1000.000	145	24.000	M	100268	2500.000	57	45.600	V	70F253AI
1000.000	145	14.500	M	9350-32	2500.000	115	30.000	M	9350-38
1000.000	150	7.500	V	73F103AF	2500.000	160	9.000	V	6302
1000.000	160	19.000	V	4652	2500.000	850	2.040	V-HD	5609
1000.000	160	8.600	V	4662	2500.000	1600	0.690	V-HD	5618
1000.000	160	7.900	V-HD	5300-37	2500.000	2200	0.499	V-HD	5624
1000.000	163	7.500	CC	9380-37	2500.000	2800	0.464	V-HD	5630
1000.000	1000	0.550	V-HD	5258	2700.000	40	47.300	M	9250-275
1000.000	1300	0.801	V-HD	5608	2700.000	57	45.600	V	70F273AI
1000.000	1500	0.980	V-HD	5710	2700.000	62	33.000	M	9220-48
1000.000	2500	0.279	V-HD	5617	2700.000	85	61.000	M	100159
1000.000	3500	0.195	V-HD	5623	2700.000	90	25.000	V-HD	5300-42
1000.000	4400	0.183	V-HD	5629	2700.000	95	22.000	CC	9380-42
1100.000	78	21.000	M	9220-30	2700.000	105	32.000	M	9350-39
1100.000	2500	0.330	V-HD	5718	2700.000	112	40.000	M	100273

Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number	Inductance Micro Henries	Current Milliamps Maximum	Resistance Ohms Maximum	Coil Type	Part Number
2700.000	125	13.500	V	73F273AF	8200.000	40	92.400	V	70F823AI
3000.000	61	35.000	M	9220-50	8200.000	50	65.000	M	9220-72
3300.000	40	53.000	M	9250-335	8200.000	54	68.000	V-HD	5300-48
3300.000	53	51.600	V	70F333AI	8200.000	55	160.000	M	100165
3300.000	58	38.000	M	9220-52	8200.000	80	30.000	V	73F823AF
3300.000	80	71.000	M	100160	8200.000	82	75.000	M	100279
3300.000	83	29.000	V-HD	5300-43	8200.000	100	46.000	V	4671
3300.000	86	27.000	CC	9380-43	9100.000	39	98.400	V	70F913AI
3300.000	105	45.000	M	100274	9100.000	49	68.000	M	9220-74
3300.000	125	15.100	V	73F333AF	10000.000	24	137.000	M	9250-106
3600.000	57	40.000	M	9220-54	10000.000	38	101.000	V	70F102AI
3900.000	35	73.800	M	9250-395	10000.000	47	72.000	M	9220-76
3900.000	51	57.600	V	70F393AI	10000.000	52	75.000	V-HD	5300-49
3900.000	61	44.000	M	9220-56	10000.000	71	70.000	M	9350-44
3900.000	75	82.000	M	100161	10000.000	80	80.000	M	100280
3900.000	77	34.000	V-HD	5300-44	10000.000	100	31.000	V	6306
3900.000	79	32.000	CC	9380-44	10000.000	100	50.000	V	4672
3900.000	100	49.000	M	100275	10000.000	1500	1.550	V-HD	5632
3900.000	125	18.000	V	73F393AF	12000.000	23	143.000	M	9250-126
3900.000	160	20.000	V	4668	12000.000	50	100.000	V	70F122AI
4000.000	1750	1.160	V-HD	5724	15000.000	22	157.000	M	9250-156
4300.000	59	46.000	M	9220-58	15000.000	47	113.000	V	70F152AI
4500.000	1250	2.640	V-HD	5720	18000.000	21	175.000	M	9250-186
4700.000	31	81.600	M	9250-475	18000.000	44	128.000	V	70F182AI
4700.000	48	64.800	V	70F473AI	22000.000	17	274.000	M	9250-226
4700.000	58	48.000	M	9220-60	22000.000	41	144.000	V	70F222AI
4700.000	70	93.000	M	100162	25000.000	46	115.000	V	70F252AF
4700.000	74	37.000	CC	9380-45	25000.000	65	82.000	V	6308
4700.000	74	37.000	V-HD	5300-45	27000.000	16	308.000	M	9250-276
4700.000	95	53.000	M	100276	27000.000	45	120.000	V	70F272AF
4700.000	100	21.500	V	73F473AF	33000.000	15	343.000	M	9250-336
5000.000	57	50.000	M	9220-62	33000.000	43	134.000	V	70F332AF
5000.000	78	65.000	M	9350-40	39000.000	15	376.000	M	9250-396
5000.000	160	14.000	V	6304	39000.000	41	147.000	V	70F392AF
5000.000	1500	1.080	V-HD	5625	47000.000	13	473.000	M	9250-476
5000.000	2200	0.714	V-HD	5631	47000.000	38	168.000	V	70F472AF
5100.000	73	66.000	M	9350-41	50000.000	37	175.000	V	70F502AF
5500.000	160	25.000	V	4669	50000.000	65	127.000	V	6310
5600.000	28	98.900	M	9250-565	56000.000	13	512.000	M	9250-566
5600.000	46	69.600	V	70F563AI	56000.000	36	189.000	V	70F562AF
5600.000	56	53.000	M	9220-64	68000.000	12	580.000	M	9250-686
5600.000	63	50.000	V-HD	5300-46	68000.000	34	215.000	V	70F682AF
5600.000	65	105.000	M	100163	75000.000	33	222.000	V	70F752AF
5600.000	80	25.000	V	73F563AF	82000.000	11	618.000	M	9250-826
5600.000	90	60.000	M	100277	82000.000	32	238.000	V	70F822AF
6200.000	54	56.000	M	9220-66	91000.000	31	250.000	V	70F912AF
6200.000	100	37.000	V	4670	100000.000	11	678.000	M	9250-107
6800.000	27	111.000	M	9250-685	100000.000	29	278.000	V	70F101AF
6800.000	43	78.000	V	70F683AI	120000.000	48	288.000	V	70F121AF
6800.000	52	59.000	M	9220-68	150000.000	44	0.077	V	70F151AF
6800.000	59	58.000	V-HD	5300-47	180000.000	41	374.000	V	70F181AF
6800.000	60	140.000	M	100164	220000.000	39	424.000	V	70F221AF
6800.000	80	29.000	V	73F683AF	250000.000	37	468.000	V	70F251AF
6800.000	85	67.000	M	100278	270000.000	36	490.000	V	70F271AF
7500.000	41	85.200	V	70F753AI	330000.000	34	540.000	V	70F331AF
7500.000	51	62.000	M	9220-70	390000.000	34	617.000	V	70F391AF
8000.000	1000	3.340	V-HD	5725	470000.000	30	704.000	V	70F471AF
8200.000	26	119.000	M	9250-825	500000.000	30	736.000	V	70F501AF

9250 SERIES

* Current required to decrease inductance 5%

Reference:

MIL-C-15305

MS 75087

MS 75088

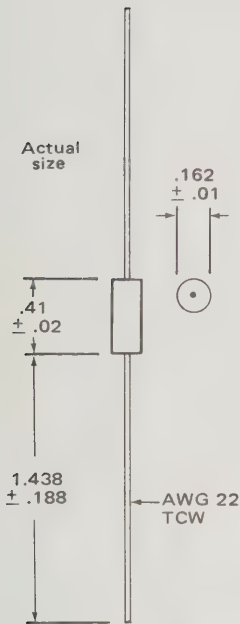
MS 75089

MS 90537

Electromagnetic
Shielding.

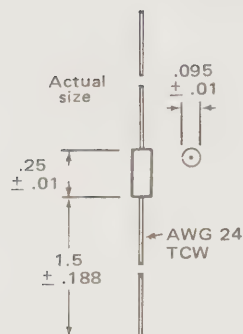
Wide Range of
Inductance Values.

Miller Number	MS Type	L \pm 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Incr. I _{dc} Approx. mA	Core Material
9250-101	75087-1	.1	50	25	250	.025	1790	1790	Phenolic
9250-121	75087-2	.12	51	25	250	.034	1530	1530	Phenolic
9250-151	75087-3	.15	51	25	250	.037	1470	1470	Phenolic
9250-181	75087-4	.18	50	25	250	.047	1300	1300	Phenolic
9250-221	75087-5	.22	49	25	250	.067	1100	1100	Phenolic
9250-271	75087-6	.27	47	25	250	.11	855	855	Phenolic
9250-331	75087-7	.33	46	25	250	.13	780	780	Phenolic
9250-391	75087-8	.39	44	25	250	.18	670	670	Phenolic
9250-471	75087-9	.47	44	25	235	.25	565	565	Phenolic
9250-561	75087-10	.56	43	25	210	.33	490	490	Phenolic
9250-681	75087-11	.68	42	25	190	.45	420	420	Phenolic
9250-821	75087-12	.82	40	25	180	.59	370	370	Phenolic
9250-102	75088-1	1	44	25	140	.07	1070	1070	Iron
9250-122	75088-2	1.2	44	7.9	130	.1	895	895	Iron
9250-152	75088-3	1.5	44	7.9	115	.12	815	815	Iron
9250-182	75088-4	1.8	44	7.9	105	.14	775	775	Iron
9250-222	75088-5	2.2	44	7.9	100	.19	650	650	Iron
9250-272	75088-6	2.7	44	7.9	92	.28	535	535	Iron
9250-332	75088-7	3.3	44	7.9	85	.35	480	480	Iron
9250-392	75088-8	3.9	44	7.9	75	.4	450	450	Iron
9250-472	75088-9	4.7	44	7.9	70	.55	380	380	Iron
9250-562	75088-10	5.6	44	7.9	65	.72	335	335	Iron
9250-682	75088-11	6.8	50	7.9	55	1.02	280	280	Iron
9250-822	75088-12	8.2	50	7.9	50	1.32	250	250	Iron
9250-103	75088-13	10	50	7.9	46	1.62	220	220	Iron
9250-123	75088-14	12	55	2.5	44	2	200	200	Iron
9250-153	75089-1	15	45	2.5	49	.8	315	250	Ferrite
9250-183	75089-2	18	45	2.5	45	.89	300	235	Ferrite
9250-223	75089-3	22	45	2.5	41	.96	290	220	Ferrite
9250-273	75089-4	27	45	2.5	38	1.19	260	200	Ferrite
9250-333	75089-5	33	45	2.5	34	1.37	240	190	Ferrite
9250-393	75089-6	39	50	2.5	29	1.93	205	180	Ferrite
9250-473	75089-7	47	50	2.5	27	2.11	195	175	Ferrite
9250-563	75089-8	56	50	2.5	25	2.23	190	160	Ferrite
9250-683	75089-9	68	50	2.5	21	2.7	170	150	Ferrite
9250-823	75089-10	82	50	2.5	10.5	2.44	180	140	Ferrite
9250-104	75089-11	100	50	2.5	10	3.12	160	120	Ferrite
9250-124	75089-12	120	55	.79	9.7	3.6	150	95	Ferrite
9250-154	75089-13	150	55	.79	8.5	4.1	140	90	Ferrite
9250-184	75089-14	180	55	.79	8	4.4	135	85	Ferrite
9250-224	75089-15	220	55	.79	7.5	5	125	80	Ferrite
9250-274	75089-16	270	55	.79	7	5.8	115	70	Ferrite
9250-334	75089-17	330	55	.79	6.5	6.4	110	65	Ferrite
9250-394	75089-18	390	60	.79	6.2	7.4	105	60	Ferrite
9250-474	75089-19	470	60	.79	5.7	9.5	92	58	Ferrite
9250-564	75089-20	560	60	.79	4.7	10.5	90	55	Ferrite
9250-684	75089-21	680	60	.79	4.5	11.8	80	50	Ferrite
9250-824	75089-22	820	60	.79	4.2	13	80	45	Ferrite
9250-105	75089-23	1,000	60	.79	3.8	17.5	70	40	Ferrite
9250-125	75089-24	1,200	45	.25	1.5	22.1	60	35	Ferrite
9250-155	75089-25	1,500	45	.25	1.2	26.5	55	33	Ferrite
9250-185	75089-26	1,800	45	.25	1	29.9	50	30	Ferrite
9250-225	75089-27	2,200	45	.25	.97	33.8	50	27	Ferrite
9250-275	75089-28	2,700	45	.25	.92	47.3	40	25	Ferrite
9250-335	75089-29	3,300	45	.25	.84	53	40	22	Ferrite
9250-395	75089-30	3,900	45	.25	.8	73.8	35	20	Ferrite
9250-475	75089-31	4,700	45	.25	.74	81.6	31	19	Ferrite
9250-565	75089-32	5,600	44	.25	.73	98.9	28	17	Ferrite
9250-685	75089-33	6,800	40	.25	.66	111	27	16	Ferrite
9250-825	75089-34	8,200	40	.25	.54	119	26	15	Ferrite
9250-106	75089-35	10,000	40	.25	.47	137	24	14	Ferrite
9250-126	75089-36	12,000	30	.079	.33	143	23	13	Ferrite
9250-156	75089-37	15,000	30	.079	.29	157	22	12	Ferrite
9250-186	75089-38	18,000	30	.079	.28	175	21	10	Ferrite
9250-226	75089-39	22,000	27	.079	.25	274	17	9	Ferrite
9250-276	75089-40	27,000	27	.079	.21	308	16	8	Ferrite
9250-336	75089-41	33,000	27	.079	.19	343	15	7.5	Ferrite
9250-396	75089-42	39,000	27	.079	.17	376	15	6	Ferrite
9250-476	75089-43	47,000	23	.079	.16	473	13	5.5	Ferrite
9250-566	75089-44	56,000	23	.079	.14	512	13	5	Ferrite
9250-686	75089-45	68,000	23	.079	.13	580	12	4	Ferrite
9250-826	75089-46	82,000	21	.079	.12	618	11	3.5	Ferrite
9250-107	75089-47	100,000	18	.079	.11	678	11	3	Ferrite



9230 SERIES

Reference:
MIL-C-15305
MS 75083
MS 75084
MS 75085

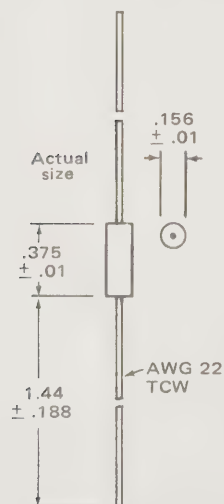


Molded Choke Series 9230 and 9310 also are available in equivalent epoxy conformal coated manufactured to the same high standards.

Miller Number	L ± 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
9230-94	.1	40	25	690	.07	1100	Phenolic
9230-96	.12	40	25	650	.08	1100	Phenolic
9230-00	.15	38	25	600	.1	1100	Phenolic
9230-02	.18	35	25	550	.12	1010	Phenolic
9230-04	.22	33	25	510	.14	935	Phenolic
9230-06	.27	33	25	430	.16	875	Phenolic
9230-08	.33	30	25	410	.2	780	Phenolic
9230-10	.39	30	25	380	.3	640	Phenolic
9230-12	.47	30	25	340	.35	590	Phenolic
9230-14	.56	30	25	300	.5	495	Phenolic
9230-16	.68	28	25	275	.6	450	Phenolic
9230-18	.82	28	25	250	.85	380	Phenolic
9230-20	1	25	25	230	1	350	Phenolic
9230-22	1.2	25	7.9	150	.18	825	Iron
9230-24	1.5	28	7.9	140	.22	745	Iron
9230-26	1.8	30	7.9	125	.3	640	Iron
9230-28	2.2	30	7.9	115	.4	550	Iron
9230-30	2.7	37	7.9	100	.5	495	Iron
9230-32	3.3	45	7.9	90	.85	380	Iron
9230-34	3.9	45	7.9	82	1	350	Iron
9230-36	4.7	45	7.9	75	1.2	320	Iron
9230-38	5.6	50	7.9	68	1.8	260	Iron
9230-40	6.8	50	7.9	60	2	245	Iron
9230-42	8.2	55	7.9	55	2.7	210	Iron
9230-44	10	55	7.9	50	3.7	180	Iron
9230-46	12	45	2.5	40	2.7	210	Iron
9230-48	15	45	2.5	35	2.8	205	Iron
9230-50	18	50	2.5	32	3.1	195	Iron
9230-52	22	50	2.5	25	3.3	190	Iron
9230-54	27	50	2.5	22	3.5	185	Iron
9230-56	33	45	2.5	24	3.4	187	Ferrite
9230-58	39	45	2.5	22	3.6	180	Ferrite
9230-60	47	45	2.5	20	4.5	165	Ferrite
9230-62	56	45	2.5	18	5.7	145	Ferrite
9230-64	68	50	2.5	15	6.7	135	Ferrite
9230-66	82	50	2.5	14	7.3	130	Ferrite
9230-68	100	50	2.5	13	8	125	Ferrite
9230-70	120	30	.79	12	13	97	Ferrite
9230-72	150	30	.79	11	15	85	Ferrite
9230-74	180	30	.79	10	17	79	Ferrite
9230-76	220	30	.79	9	21	73	Ferrite
9230-78	270	30	.79	8	25	65	Ferrite
9230-80	330	30	.79	7	28	62	Ferrite
9230-82	390	30	.79	6.5	35	55	Ferrite
9230-84	470	30	.79	6	42	50	Ferrite
9230-86	560	30	.79	5	46	48	Ferrite
9230-88	680	30	.79	4.2	60	42	Ferrite
9230-90	820	30	.79	3.8	65	40	Ferrite
9230-92	1,000	30	.79	3.4	72	38	Ferrite

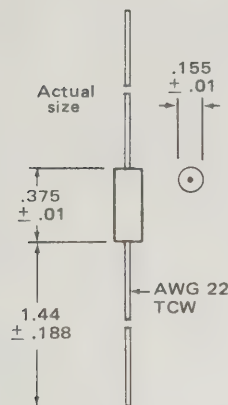
9310 SERIES

Reference:
MIL-C-15305 MS 14046
MS 18130 MS 16225



Miller Number	MS Type	L ± 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
9310-00	18130-1	.15	50	25	525	.03	2450	Phenolic
9310-02	18130-2	.22	50	25	450	.055	1900	Phenolic
9310-04	18130-3	.33	45	25	360	.09	1400	Phenolic
9310-06	18130-4	.47	45	25	310	.12	1225	Phenolic
		L ± 10% uH						
9310-07	18130-5	.56	50	25	280	.135	1220	Phenolic
9310-08	18130-6	.68	50	25	250	.15	1100	Phenolic
9310-10	18130-7	.82	50	25	220	.22	900	Phenolic
9310-12	18130-8	1	50	25	200	.29	830	Phenolic
9310-14	18130-9	1.2	33	7.9	180	.42	650	Phenolic
9310-16	18130-10	1.5	33	7.9	160	.5	600	Phenolic
9310-18	18130-11	1.8	33	7.9	150	.65	525	Phenolic
9310-20	18130-12	2.2	33	7.9	135	.95	435	Phenolic
9310-22	18130-13	2.7	33	7.9	120	1.2	385	Phenolic
9310-24	18130-14	3.3	33	7.9	110	2	300	Phenolic
9310-26	18130-15	3.9	33	7.9	100	2.3	280	Phenolic
9310-28	18130-16	4.7	33	7.9	90	2.6	260	Phenolic
9310-30	18130-17	5.6	45	7.9	60	.32	750	Iron
9310-32	18130-18	6.8	50	7.9	55	.5	600	Iron
9310-34	18130-19	8.2	50	7.9	50	.6	545	Iron
9310-36	18130-20	10	55	7.9	45	.9	445	Iron
9310-38	18130-21	12	65	2.5	42	1.1	404	Iron
9310-40	18130-22	15	65	2.5	40	1.4	370	Iron
9310-42	18130-23	18	75	2.5	34	2.25	280	Iron
9310-44	18130-24	22	75	2.5	30	2.5	265	Iron
9310-46		24	60	2.5	26	2.5	265	Iron
9310-48	18130-25	27	60	2.5	25	2.6	260	Iron
9310-50		30	65	2.5	19	2.8	255	Iron
9310-52	18130-26	33	65	2.5	19	3	250	Iron

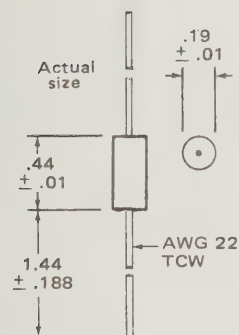
9210 SERIES Reference: MIL-C-15305 MS 90538



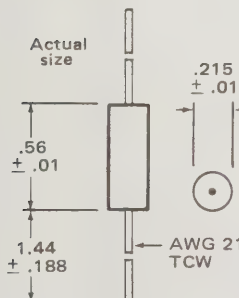
Miller Number	MS Type	L ± 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9210-54	90538-01	36	60	2.5	15.5	2.5	180	Iron
9210-56	90538-02	39	60	2.5	14.5	2.6	176	Iron
9210-58	90538-03	43	60	2.5	13.7	2.7	172	Iron
9210-60	90538-04	47	55	2.5	13	2.75	170	Iron
9210-62	90538-05	51	55	2.5	12.7	2.85	167	Iron
9210-64	90538-06	56	55	2.5	12	3	164	Iron
9210-66	90538-07	62	55	2.5	11.5	3.15	160	Iron
9210-68	90538-08	68	55	2.5	11	3.3	156	Iron
9210-70	90538-09	75	55	2.5	10.5	3.7	147	Iron
9210-72	90538-10	82	50	2.5	10.3	3.9	143	Iron
9210-74	90538-11	91	50	2.5	10	4.3	136	Iron
9210-76	90538-12	100	50	2.5	9.5	4.5	133	Iron
9210-78	90538-13	110	60	.79	8.9	4.9	128	Iron
9210-80	90538-14	120	65	.79	8.7	5.2	124	Iron
9210-82	90538-15	130	65	.79	8.5	5.45	121	Iron
9210-84	90538-16	150	65	.79	8	6.05	114	Iron
9210-86	90538-17	160	65	.79	7.5	6.4	111	Iron
9210-88	90538-18	180	65	.79	7	6.75	108	Iron
9210-90	90538-19	200	65	.79	6.5	7.1	106	Iron
9210-92	90538-20	220	65	.79	6.2	7.45	103	Iron
9210-94	90538-21	240	65	.79	5.9	7.8	101	Iron

Molded Choke Series 9210 also are available in equivalent epoxy conformal coated manufactured to the same high standards.

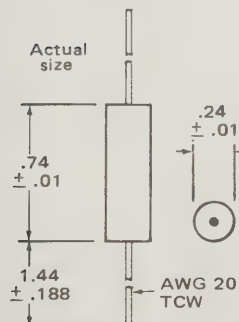
9220 SERIES Reference: MIL-C-15305 MS 90539, 40, 41



Miller Number	MS Type	L ± 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9220-00	90539-01	270	65	.79	5.6	8.2	110	Iron
9220-02	90539-02	300	65	.79	5.3	8.7	107	Iron
9220-04	90539-03	330	65	.79	5	9.1	105	Iron
9220-06	90539-04	360	65	.79	4.7	9.6	102	Iron
9220-08	90539-05	390	65	.79	4.5	10	100	Iron
9220-10	90539-06	430	65	.79	4.3	10.6	97	Iron
9220-12	90539-07	470	65	.79	4	11.1	95	Iron
9220-14		500	65	.79	3.8	11.6	93	Iron
9220-15	90539-08	510	65	.79	3.8	11.6	92	Iron
9220-16	90539-09	560	65	.79	3.6	12.3	91	Iron
9220-18	90539-10	620	60	.79	3.5	13	88	Iron
9220-20	90539-11	680	60	.79	3.4	13.7	85	Iron
9220-22	90539-12	750	60	.79	3.3	14.4	83	Iron
9220-24	90539-13	820	60	.79	3.1	15.1	81	Iron
9220-26	90539-14	910	60	.79	2.9	15.8	79	Iron
9220-28	90539-15	1,000	60	.79	2.8	16.5	78	Iron



Miller Number	MS Type	L ± 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9220-30	90540-01	1,100	60	.25	2.8	21	78	Iron
9220-32	90540-02	1,200	60	.25	2.7	22	76	Iron
9220-34	90540-03	1,300	60	.25	2.6	23	75	Iron
9220-36	90540-04	1,500	65	.25	2.4	25	72	Iron
9220-38	90540-05	1,600	65	.25	2.3	26	70	Iron
9220-40	90540-06	1,800	65	.25	2.2	28	68	Iron
9220-42	90540-07	2,000	65	.25	2.1	29	67	Iron
9220-44	90540-08	2,200	70	.25	2	30	66	Iron
9220-46	90540-09	2,400	70	.25	1.9	31	64	Iron
9220-48	90540-10	2,700	70	.25	1.8	33	62	Iron
9220-50	90540-11	3,000	70	.25	1.7	35	61	Iron
9220-52	90540-12	3,300	70	.25	1.6	38	58	Iron
9220-54	90540-13	3,600	70	.25	1.5	40	57	Iron

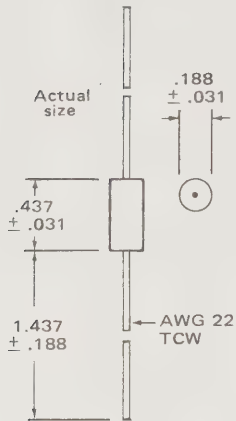


Miller Number	MS Type	L ± 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9220-56	90541-01	3,900	80	.25	1.45	44	61	Iron
9220-58	90541-02	4,300	80	.25	1.4	46	59	Iron
9220-60	90541-03	4,700	80	.25	1.35	48	58	Iron
9220-62	90541-04	5,000	80	.25	1.3	50	57	Iron
9220-64	90541-05	5,600	80	.25	1.25	53	56	Iron
9220-66	90541-06	6,200	80	.25	1.2	56	54	Iron
9220-68	90541-07	6,800	80	.25	1.15	59	52	Iron
9220-70	90541-08	7,500	80	.25	1.1	62	51	Iron
9220-72	90541-09	8,200	80	.25	1.05	65	50	Iron
9220-74	90541-10	9,100	80	.25	1	68	49	Iron
9220-76	90541-11	10,000	80	.25	.95	72	47	Iron

9320 SERIES

Reference:

MIL-C-15305 MS 16224
MS 75008 MS 75101

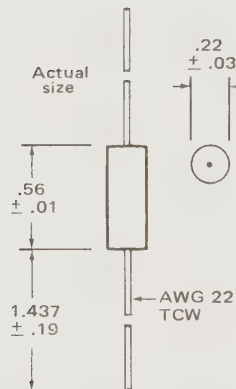


Miller Number	MS Type	L ± 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
9320-00	75008-21	.15	55	25	510	.03	3000	Phenolic
9320-02	75008-22	.22	50	25	415	.035	2800	Phenolic
9320-04	75008-23	.33	50	25	350	.065	2000	Phenolic
9320-06	75008-24	.47	50	25	300	.085	1700	Phenolic
		L ± 10% uH						
9320-07	75008-25	.56	50	25	270	.125	1450	Phenolic
9320-08	75008-26	.68	45	25	250	.15	1300	Phenolic
9320-09	75008-27	.82	40	25	210	.205	1100	Phenolic
9320-10	75008-28	1	40	25	200	.29	930	Phenolic
9320-11	75008-29	1.2	30	7.9	180	.4	785	Phenolic
9320-12	75008-30	1.5	30	7.9	170	.485	700	Phenolic
9320-13	75008-31	1.8	30	7.9	150	.74	580	Phenolic
9320-14	75008-32	2.2	30	7.9	140	.97	505	Phenolic
9320-16	75008-33	2.7	30	7.9	120	1.2	460	Phenolic
9320-18	75008-34	3.3	30	7.9	70	.14	1350	Iron
9320-20	75008-35	3.9	30	7.9	65	.155	1250	Iron
9320-22	75008-36	4.7	30	7.9	60	.21	1100	Iron
9320-24	75008-37	5.6	30	7.9	50	.28	935	Iron
9320-26	75008-38	6.8	30	7.9	50	.375	810	Iron
9320-28	75008-39	8.2	30	7.9	48	.44	750	Iron
9320-30	75008-40	10	30	7.9	42	.605	640	Iron
9320-32	75008-41	12	50	2.5	36	1.05	490	Iron
9320-34	75008-42	15	55	2.5	30	1.2	460	Iron
9320-35	75008-43	18	60	2.5	30	1.95	360	Iron
9320-36	75008-44	22	60	2.5	24	2.2	335	Iron
9320-38	75008-45	27	65	2.5	22	2.75	300	Iron

9330 SERIES

Reference:

MIL-C-15305 MS 14052
MS 90542 MS 16222

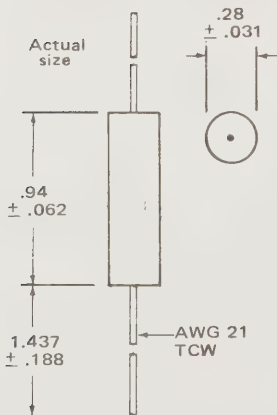


Miller Number	MS Type	L ± 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
9330-00	90542-01	.47	65	25	300	.06	1970	Phenolic
9330-01	90542-02	.56	65	25	270	.08	1850	Phenolic
9330-02	90542-03	.68	65	25	240	.08	1700	Phenolic
9330-03	90542-04	.82	65	25	220	.11	1520	Phenolic
9330-04	90542-05	1	65	25	200	.14	1290	Phenolic
9330-05	90542-06	1.2	40	7.9	180	.19	1120	Phenolic
9330-06	90542-07	1.5	40	7.9	160	.28	925	Phenolic
9330-07	90542-08	1.8	40	7.9	150	.37	790	Phenolic
9330-08	90542-09	2.2	40	7.9	135	.5	680	Phenolic
9330-10	90542-10	2.7	40	7.9	120	.65	600	Phenolic
9330-12	90542-11	3.3	40	7.9	105	1	480	Phenolic
9330-14	90542-12	3.9	40	7.9	100	1.2	440	Phenolic
9330-16	90542-13	4.7	40	7.9	90	1.8	360	Phenolic
9330-18	90542-14	5.6	35	7.9	55	.13	1340	Iron
9330-20	90542-15	6.8	35	7.9	50	.2	1080	Iron
9330-22	90542-16	8.2	35	7.9	44	.22	1030	Iron
9330-24	90542-17	10	35	7.9	42	.26	950	Iron
9330-26	90542-18	12	45	2.5	34	.45	720	Iron
9330-28	90542-19	15	45	2.5	32	.52	670	Iron
9330-30	90542-20	18	50	2.5	28	.7	580	Iron
9330-32	90542-21	22	60	2.5	24	1	480	Iron
9330-34	90542-22	27	60	2.5	22	1.3	420	Iron
9330-36	90542-23	33	60	2.5	20	1.5	390	Iron
9330-38	90542-24	39	70	2.5	18	2	340	Iron

9340 SERIES

Reference:

MIL-C-15305 MS 16221
MS 91189 MS 75103



Miller Number	MS Type	L ± 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
9340-00	91189-14	1.2	60	7.9	170	.075	2400	Phenolic
9340-02	91189-15	1.5	60	7.9	160	.09	2150	Phenolic
9340-03	91189-16	1.8	60	7.9	140	.135	1750	Phenolic
9340-04	91189-17	2.2	60	7.9	125	.16	1600	Phenolic
9340-06	91189-18	2.7	60	7.9	115	.22	1350	Phenolic
9340-08	91189-19	3.3	60	7.9	100	.305	1150	Phenolic
9340-10	91189-20	3.9	60	7.9	95	.45	955	Phenolic
9340-12	91189-21	4.7	60	7.9	90	.56	860	Phenolic
9340-14	91189-22	5.6	60	7.9	80	.745	745	Phenolic
9340-16	91189-23	6.8	60	7.9	75	1.05	635	Phenolic
9340-18	91189-24	8.2	60	7.9	68	1.4	550	Phenolic
9340-20	91189-25	10	60	7.9	60	1.9	460	Phenolic
9340-22	91189-26	12	40	2.5	53	2.65	395	Phenolic
9340-24	91189-27	15	40	2.5	50	3.25	355	Phenolic
9340-26	91189-28	18	40	2.5	45	4.15	315	Phenolic
9340-28	91189-29	22	50	2.5	24	.295	1150	Iron
9340-30	91189-30	27	45	2.5	22	.35	1050	Iron
9340-32	91189-31	33	60	2.5	19	.55	865	Iron
9340-34	91189-32	39	55	2.5	18	.65	810	Iron
9340-36	91189-33	47	65	2.5	16	1	640	Iron
9340-38	91189-34	56	65	2.5	14	1.15	610	Iron
9340-39	91189-35	68	75	2.5	13	1.85	470	Iron
9340-40	91189-36	82	75	2.5	12	2.1	440	Iron
9340-42	91189-37	100	75	2.5	12	2.5	405	Iron
9340-44	91189-38	120	95	.79	10	4.1	315	Iron

9350 SERIES Reference: MIL-C-15305 MS 75052, 53, 54, 55 MS 14047, 48, 49, 50 MS 16223

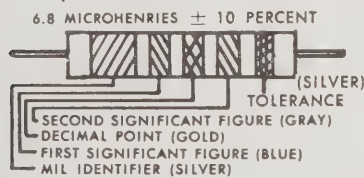
Miller Number	MS Type	L \pm 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9350-00	75052-1	47	18	2.5	13.5	5.9	195	Phenolic
9350-02	75052-2	56	18	2.5	13	6.4	185	Phenolic
9350-04	75052-3	68	70	2.5	13	3.3	255	Iron
9350-06	75052-4	82	65	2.5	11.7	3.5	245	Iron
9350-08	75052-5	100	65	2.5	10.7	3.8	235	Iron
9350-10	75052-6	120	75	.79	9.3	4.7	215	Iron
9350-12	75052-7	150	75	.79	8.3	5.3	200	Iron
9350-14	75053-1	180	80	.79	6	5.5	225	Iron
9350-16	75053-2	220	80	.79	5.5	5.9	220	Iron
9350-18	75053-3	270	80	.79	5.1	6.6	210	Iron
9350-20	75053-4	330	75	.79	4.2	7.8	185	Iron
9350-22	75053-5	390	75	.79	3.9	8.7	180	Iron
9350-24	75054-1	470	80	.79	3.7	9	190	Iron
9350-26	75054-2	560	80	.79	3.5	10	180	Iron
9350-28	75054-3	680	75	.79	3.2	11.2	170	Iron
9350-30	75054-4	820	75	.79	3	13	155	Iron
9350-32	75054-5	1,000	70	.79	2.7	14.5	145	Iron
9350-34	75055-1	1,500	85	.25	2.2	22	127	Iron
9350-36	75055-2	2,000	85	.25	1.9	26	125	Iron
9350-37	75055-2	2,200	85	.25	1.8	27	115	Iron
9350-38	75055-2	2,500	85	.25	1.7	30	115	Iron
9350-39	75055-3	2,700	85	.25	1.6	32	105	Iron
9350-40	75055-4	5,000	70	.25	1.2	65	78	Iron
9350-41	75055-4	5,100	70	.25	1	66	73	Iron
9350-44	75055-5	10,000	70	.25	.8	70	71	Ferrite

9360 SERIES Reference: MIL-C-15305 MS 91189

Miller Number	MS Type	L \pm 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
9360-01	91189-1	1.1	60	10	200	.09	2800	Phenolic
9360-02	91189-2	2.2	65	10	165	.2	1800	Phenolic
9360-03	91189-3	3.3	50	6	130	.32	1500	Phenolic
9360-04	91189-4	4.7	45	5	100	.6	1100	Phenolic
9360-05	91189-5	6.8	40	4	90	1.1	800	Phenolic
9360-06	91189-6	10	40	3.5	70	1.8	600	Phenolic
9360-07	91189-7	15	40	3	55	3	500	Phenolic
9360-08	91189-8	22	30	2.5	27	.3	1500	Iron
9360-09	91189-9	33	45	2	21	.6	1100	Iron
9360-10	91189-10	47	70	1.5	16	1.2	700	Iron
9360-11	91189-11	82	85	1.2	14	2.2	600	Iron
9360-12	91189-12	100	85	1	14	2.8	500	Iron
9360-13	91189-13	120	85	1	13	4	400	Iron

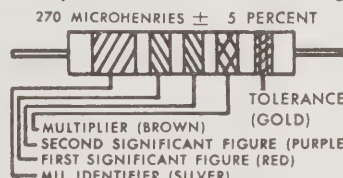
COLOR CODING for MOLDED CHOKES per MIL-C-15305

Example A For L values less than 10 uH.



For cylindrical choke coils. Cylindrical choke coils shall be marked with five colored bands. A silver band MIL identifier of double the width of the other four bands, located near one end of the coil, identifies military radio-frequency coils; four other bands of equal width, three indicating the inductance in microhenries and the fourth band indicating the tolerance in percent. Color coding shall be in accordance with the color code of table. When either the first or second band of the three bands is gold, this band shall represent the decimal point for inductance values less than 10, and the other two bands shall represent significant figures. For inductance values of 10 or more, the first two bands shall represent significant figures, and the third band shall represent the multiplier. For small units, dots may be used instead of bands, when specified. The diameter of the MIL-identifier dot shall be larger than the other dots. Typical color coding examples are shown above.

Example B For L values 10 uH or greater.



Applicable to Series:

9210, 9220, 9230, 9250,
9310, 9320, 9330, 9340,
9350, 9360

COLOR CODE TABLE

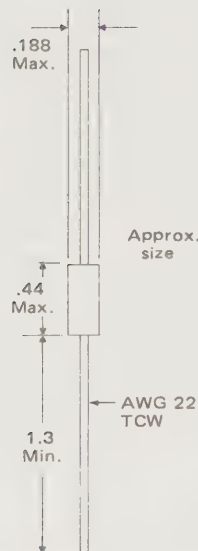
Color	Significant Figure	(1) Multiplier	Inductance Tolerance (Percent)
BLACK	0	1	
BROWN	1	10	
RED	2	100	
ORANGE	3	1,000	
YELLOW	4		
GREEN	5		
BLUE	6		
VIOLET	7		
GRAY	8		
WHITE	9		
NONE (2)			± 20
SILVER			± 10
GOLD			± 5

(1) The multiplier is the factor by which the two significant figures are multiplied to yield the nominal inductance value.

(2) Indicates body color.

S SERIES

Reference:
MIL-C-15305
MS 21389
MS 21390

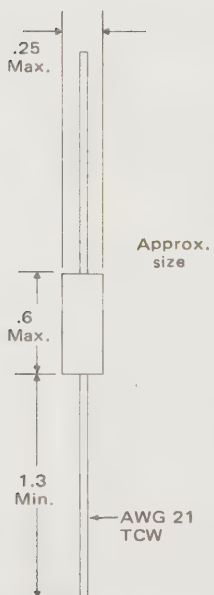


* Minimum Fo 80% of tabled value

Miller Number	L \pm 10% μ H	Q Min.	Test Freq. (Q) MHz	Fo * MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
100170	.1	85	50	> 500	.02	4000	Phenolic
100171	.12	85	50	> 500	.025	3500	Phenolic
100172	.15	85	50	> 500	.03	3000	Phenolic
100173	.18	75	50	500	.03	3000	Phenolic
100174	.22	75	50	500	.03	3000	Phenolic
100175	.27	70	45	470	.04	2700	Phenolic
100176	.33	70	40	440	.05	2500	Phenolic
100177	.39	65	40	400	.08	2000	Phenolic
100178	.47	60	25	360	.08	2000	Phenolic
100179	.56	55	25	330	.1	1700	Phenolic
100180	.68	55	25	300	.12	1500	Phenolic
100181	.82	50	25	275	.18	1300	Phenolic
100182	1	50	20	250	.24	1100	Phenolic
100183	1.2	45	20	220	.35	1000	Phenolic
100184	1.5	45	15	200	.43	850	Phenolic
100185	1.8	45	15	180	.65	720	Phenolic
100186	2.2	45	15	165	.8	610	Phenolic
100187	2.7	55	10	110	.12	1600	Iron
100188	3.3	55	10	100	.15	1400	Iron
100189	3.9	60	10	95	.23	1200	Iron
100190	4.7	70	7.9	90	.3	1000	Iron
100191	5.6	65	7.9	80	.45	900	Iron
100192	6.8	65	7.9	70	.55	800	Iron
100193	8.2	60	7.9	65	.65	720	Iron
100194	10	60	5	60	.73	650	Iron
100195	12	65	5	53	1.1	590	Iron
100196	15	80	2.5	47	1.4	500	Iron
100197	18	75	2.5	43	1.6	460	Iron
100198	22	75	2.5	40	1.8	430	Iron
L \pm 5% μ H							
100199	27	75	2.5	36	2.7	360	Iron
100200	33	85	2.5	32	3.5	300	Iron
100201	39	80	2.5	26	3.8	290	Iron
100202	47	80	2.5	22	4	275	Iron
100203	56	75	2.5	19	4.4	265	Iron
100204	68	75	2.5	16	4.7	250	Iron
100205	82	75	2.5	13	5.3	235	Iron
100206	100	75	1.5	10	6	220	Iron

M SERIES

Reference:
MIL-C-15305
MS 21388



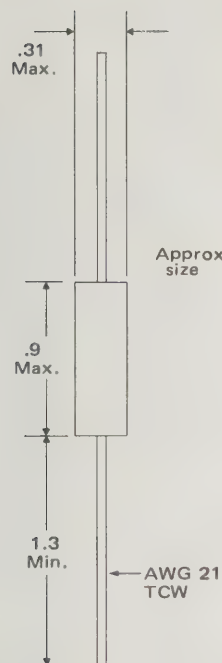
* Minimum Fo 80% of tabled value

Miller Number	L \pm 10% μ H	Q Min.	Test Freq. (Q) MHz	Fo * MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
100207	1	100	15	170	.04	2700	Iron
100208	1.2	100	15	155	.04	2700	Iron
100209	1.5	100	10	140	.04	2700	Iron
100210	1.8	95	10	125	.05	2500	Iron
100211	2.2	95	10	110	.05	2500	Iron
100212	2.7	68	7.9	95	.05	2500	Iron
100213	3.3	60	7.9	90	.05	2500	Iron
100214	3.9	60	7.9	87	.07	2100	Iron
100215	4.7	60	7.9	75	.09	1800	Iron
100216	5.6	65	7.9	70	.14	1550	Iron
100217	6.8	70	7.9	65	.17	1300	Iron
100218	8.2	65	7.9	57	.25	1150	Iron
100219	10	65	5	50	.32	1000	Iron
100220	12	65	5	45	.47	870	Iron
100221	15	75	4	40	.62	730	Iron
100222	18	65	4	37	.72	660	Iron
100223	22	65	2.5	35	.8	600	Iron
L \pm 5% μ H							
100224	27	65	2.5	31	1.2	520	Iron
100225	33	80	2.5	27	1.5	450	Iron
100226	39	80	2.5	25	2.3	380	Iron
100227	47	100	2.5	24	3	300	Iron
100228	56	100	2.5	22	4.2	270	Iron
100229	68	100	2.5	20	5.2	250	Iron
100230	82	100	2.5	18	6.2	220	Iron
100231	100	100	1.5	17	7	200	Iron
100232	120	95	1.5	14	7.5	200	Iron
100233	150	90	1	11	8	190	Iron
100234	180	85	1	9	9	185	Iron
100235	220	85	1	7	10	180	Iron
100236	270	80	1	5.5	11	172	Iron
100237	330	80	.8	4.5	12	165	Iron
100238	390	75	.8	4	13	157	Iron
100239	470	75	.8	3.5	14	150	Iron
100240	560	65	.8	3.1	16	145	Iron
100241	680	65	.8	2.7	17	140	Iron
100242	820	65	.8	2.5	19	132	Iron
100243	1,000	70	.5	2.3	21	125	Iron

L SERIES

* Minimum Fo 80% of tabled value

Reference:
MIL-C-15305
MS 21380



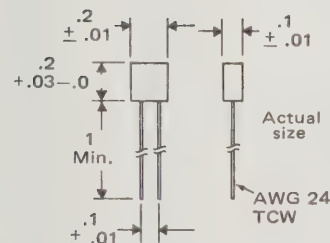
	Miller Number	L ± 10% uH	Q Min.	Test Freq. (Q) MHz	Fo * MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
L measured on Q-meter	100244	10	75	5	50	.15	1800	Iron
	100245	12	75	5	45	.23	1600	Iron
	100246	15	75	5	40	.3	1300	Iron
	100247	18	75	5	36	.4	1150	Iron
	100248	22	75	2.5	32	.5	1000	Iron
L measured on 1 kHz bridge	L ± 5% uH							
	100249	27	70	2.5	30	.6	900	Iron
	100250	33	70	2.5	28	.7	850	Iron
	100251	39	70	2.5	26	1.1	720	Iron
	100252	47	75	2.5	25	1.3	620	Iron
	100253	56	80	2.5	22	1.8	540	Iron
	100254	68	100	2.5	20	2.4	450	Iron
	100255	82	100	2.5	18	2.8	425	Iron
	100256	100	100	1.5	17	3.2	400	Iron
	100257	120	100	1.5	15	4.8	360	Iron
	100258	150	100	1	14	6.4	280	Iron
L measured on 1 kHz bridge	100259	180	95	1	12	9.5	240	Iron
	100260	220	95	1	11	12	200	Iron
	100261	270	70	1	9	13	195	Iron
	100262	330	65	.79	7.5	14	190	Iron
	100263	390	65	.79	6.5	15.5	180	Iron
	100264	470	60	.79	5.5	17	170	Iron
	100265	560	75	.5	4	18.5	165	Iron
	100266	680	75	.5	3.2	20	155	Iron
	100267	820	75	.5	2.8	22	150	Iron
	100268	1,000	75	.5	2.4	24	145	Iron
L measured on 1 kHz bridge	100269	1,200	75	.5	2.1	27	137	Iron
	100270	1,500	75	.4	1.9	29	130	Iron
	100271	1,800	65	.4	1.7	32	125	Iron
	100272	2,200	65	.25	1.5	35	120	Iron
	100273	2,700	65	.25	1.3	40	112	Iron
	100274	3,300	65	.25	1.2	45	105	Iron
	100275	3,900	65	.25	1.05	49	100	Iron
	100276	4,700	65	.25	.95	53	95	Iron
	100277	5,600	65	.25	.85	60	90	Iron
	100278	6,800	65	.25	.75	67	85	Iron
L measured on 1 kHz bridge	100279	8,200	65	.25	.65	75	82	Iron
	100280	10,000	65	.15	.58	80	80	Iron

ENCAPSULATED TOROIDAL RF CHOKES

T1 SERIES

T1, 2, 3, 4 Closer tolerances on request
SERIES Other Inductance values on special order

Reference:
MIL-C-15305



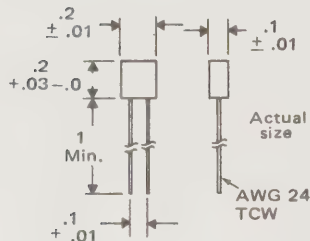
Miller Number	L ± 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Core Material
100066	.01	60	150	1000	.02	3000	Iron
100067	.012	60	150	1000	.02	3000	Iron
100068	.015	60	150	1000	.02	3000	Iron
100069	.018	60	150	1000	.02	3000	Iron
100070	.022	60	100	900	.02	3000	Iron
100071	.027	60	100	800	.02	3000	Iron
100072	.033	60	100	750	.02	3000	Iron
100073	.039	60	100	700	.02	3000	Iron
100074	.047	60	100	650	.02	3000	Iron
100075	.056	60	100	600	.02	3000	Iron
100076	.068	60	100	550	.03	2500	Iron
100077	.082	60	100	500	.04	2200	Iron
L ± 10% uH							
100078	.1	80	50	450	.04	2200	Iron
100079	.12	80	50	400	.05	2000	Iron
100080	.15	80	50	350	.06	1800	Iron
100081	.18	80	50	320	.07	1600	Iron
100082	.22	80	50	300	.08	1500	Iron
100083	.27	80	50	280	.1	1400	Iron
100084	.33	80	50	260	.12	1300	Iron
100085	.39	80	50	240	.15	1150	Iron
100086	.47	80	50	220	.2	1000	Iron
100087	.56	70	50	200	.25	900	Iron
100088	.68	70	50	180	.3	800	Iron
100089	.82	70	50	160	.35	750	Iron
100090	1	70	50	150	.4	700	Iron

NOTES: inductance (apparent) measured on Boonton 190-A Q-Meter at specified frequency, with leads connected 1/4-inch from inductor enclosure directly to Q-meter terminals. Residual Q-meter inductance (0.0026 uH) should be subtracted from value calculated from C and f readings.

T1, 2, 3, 4 SERIES Closer tolerances on request
Other Inductance values on special order

T2 SERIES

Reference:
MIL-C-15305

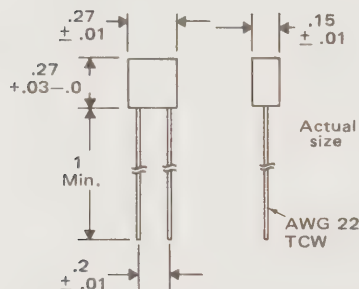


Notes: inductance (apparent) measured on Boonton 260-A Q-meter at specified frequency, with leads connected $\frac{1}{4}$ -inch from inductor enclosure directly to Q-meter terminals. Residual Q-meter inductance (0.01 uH) should be subtracted from readings.

Miller Number	L \pm 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Core Material
100092	.1	55	25	450	.04	2200	Iron
100093	.12	60	25	400	.05	2000	Iron
100094	.15	60	25	350	.06	1800	Iron
100095	.18	60	25	320	.07	1600	Iron
100096	.22	65	25	300	.08	1500	Iron
100097	.27	65	25	280	.1	1400	Iron
100098	.33	65	25	260	.11	1300	Iron
100099	.39	65	25	240	.14	1200	Iron
100100	.47	65	25	220	.17	1100	Iron
100101	.56	70	25	200	.22	1000	Iron
100102	.68	70	25	180	.27	900	Iron
100103	.82	70	25	160	.3	800	Iron
L \pm 5% uH							
100104	1	70	25	150	.35	750	Iron
100105	1.2	60	7.9	130	.4	700	Iron
100106	1.5	60	7.9	120	.5	630	Iron
100107	1.8	60	7.9	110	.7	530	Iron
100108	2.2	60	7.9	100	.9	470	Iron
100109	2.7	60	7.9	90	1.1	420	Iron
100110	3.3	60	7.9	70	1.3	390	Iron
100111	3.9	60	7.9	60	1.5	360	Iron
100112	4.7	60	7.9	50	1.8	330	Iron
100113	5.6	60	7.9	45	2	310	Iron
100114	6.8	60	7.9	40	2.2	300	Iron
100115	8.2	60	7.9	37	2.4	290	Iron
100116	10	60	7.9	35	2.6	280	Iron

T3 SERIES

Reference:
MIL-C-15305



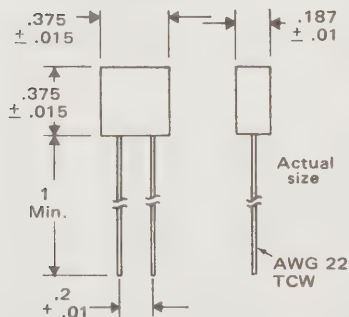
Notes: inductance (apparent) measured on Boonton 260-A Q-meter at specified frequency, with leads connected $\frac{1}{4}$ -inch from inductor enclosure directly to Q-meter terminals.

L \pm 5% uH

100117	10	75	2.5	35	1.1	550	Iron
100118	12	75	2.5	31	1.3	500	Iron
100119	15	75	2.5	27	1.5	450	Iron
100120	18	80	2.5	24	1.9	410	Iron
100121	22	80	2.5	22	2.3	380	Iron
100122	27	80	2.5	20	2.7	350	Iron
100123	33	80	2.5	18	3.3	320	Iron
100124	39	80	2.5	16	3.9	290	Iron
100125	47	80	2.5	14	4.7	260	Iron
100126	56	80	2.5	12	5.6	240	Iron
100127	68	80	2.5	11	6.8	220	Iron
100128	82	80	2.5	10	8.1	200	Iron
100129	100	80	2.5	9.1	9.7	180	Iron
100130	120	45	.79	8.2	12	160	Iron
100131	150	45	.79	7.3	14	150	Iron
100132	180	45	.79	6.4	17	140	Iron
100133	220	50	.79	5.6	20	130	Iron
100134	270	55	.79	5	24	120	Iron
100135	330	55	.79	4.4	19	130	Iron
100136	390	55	.79	3.9	22	120	Iron
100137	470	55	.79	3.5	27	110	Iron
100138	560	55	.79	3.1	32	100	Iron
100139	680	55	.79	2.8	19	130	Iron
100140	820	50	.79	2.5	23	120	Iron
100141	1,000	50	.79	2.2	27	110	Iron

T4 SERIES

Reference:
MIL-C-15305



Notes: inductance (apparent) measured on Boonton 260-A Q-meter at specified frequency, with leads connected $\frac{1}{4}$ -inch from inductor enclosure directly to Q-meter terminals.

L \pm 5% uH

100142	100	75	.79	8.4	6	280	Iron
100143	120	75	.79	7.5	7	260	Iron
100144	150	75	.79	6.7	8	240	Iron
100145	180	75	.79	6	10	220	Iron
100146	220	80	.79	5.3	12	200	Iron
100147	270	80	.79	4.7	14	180	Iron
100148	330	80	.79	4.2	17	160	Iron
100149	390	80	.79	3.8	20	150	Iron
100150	470	75	.79	3.4	24	140	Iron
100151	560	75	.79	3.1	28	130	Iron
100152	680	75	.79	2.8	33	120	Iron
100153	820	75	.79	2.5	39	110	Iron
100154	1,000	75	.79	2.2	45	100	Iron
100155	1,200	45	.25	1.9	31	120	Iron
100156	1,500	45	.25	1.6	37	110	Iron
100157	1,800	50	.25	1.4	44	100	Iron
100158	2,200	50	.25	1.3	52	90	Iron
100159	2,700	50	.25	1.2	61	85	Iron
100160	3,300	50	.25	1.1	71	80	Iron
100161	3,900	50	.25	1	82	75	Iron
100162	4,700	50	.25	.9	93	70	Iron
100163	5,600	45	.25	.8	105	65	Iron
100164	6,800	40	.25	.7	140	60	Iron
100165	8,200	40	.25	.6	160	55	Iron

70F SERIES



Coils are
Varnish Impregnated.

On Special Order
they can be—

(1) Fungus-proofed
using varnish per

MIL-V-173A.

(2) Encapsulated in
epoxy resin to conform
to MIL-C-15305.

L and Q
measured on Q-meter

Miller Number	L \pm 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Coil Dia. Max.	Form Length \pm .03	Core Material
70F107AP	.1	49	25	600	.013	3922	.156	.31	Phenolic
70F157AP	.15	52	25	490	.025	2828	.141	.31	Phenolic
70F227AP	.22	48	25	400	.038	2294	.141	.31	Phenolic
70F337AP	.33	47	25	330	.07	1690	.125	.31	Phenolic
70F477AP	.47	46	25	280	.125	1264	.125	.31	Phenolic
70F687AP	.68	48	25	240	.2	1000	.125	.31	Phenolic
70F757AP	.75	48	25	224	.264	870	.125	.31	Phenolic
70F827AP	.82	48	25	216	.29	830	.125	.31	Phenolic
70F106AI	1	41	25	118	.048	2041	.165	.25	Iron
L \pm 10% uH									
70F126AI	1.2	45	7.9	118	.072	1666	.16	.25	Iron
70F156AI	1.5	42	7.9	102	.096	1443	.16	.25	Iron
70F186AI	1.8	31	7.9	89	.096	1443	.16	.25	Iron
70F226AI	2.2	43	7.9	87	.156	1132	.16	.25	Iron
70F276AI	2.7	34	7.9	74	.168	1091	.16	.25	Iron
70F336AI	3.3	40	7.9	66	.24	912	.15	.25	Iron
70F396AI	3.9	35	7.9	61	.264	870	.15	.25	Iron
70F476AI	4.7	43	7.9	53	.457	661	.15	.25	Iron
70F566AI	5.6	41	7.9	49	.492	637	.15	.25	Iron
70F686AI	6.8	40	7.9	49	.624	566	.15	.25	Iron
70F756AI	7.5	32	7.9	44	.624	566	.15	.25	Iron
70F826AI	8.2	37	7.9	41	.744	518	.15	.25	Iron
70F916AI	9.1	41	7.9	21	1.44	288	.16	.25	Iron
70F105AI	10	36	7.9	19	1.56	277	.16	.25	Iron
70F125AI	12	52	2.5	19	1.68	267	.16	.25	Iron
70F155AI	15	52	2.5	16	1.92	250	.165	.25	Iron
L \pm 5% uH									
70F185AI	18	52	2.5	15	2.28	229	.165	.25	Iron
70F225AI	22	51	2.5	13	2.28	229	.165	.25	Iron
70F255AI	25	48	2.5	13	2.64	213	.17	.25	Iron
70F275AI	27	49	2.5	12	2.64	213	.17	.25	Iron
70F335AI	33	50	2.5	10	2.76	208	.17	.25	Iron
70F395AI	39	48	2.5	9.3	3.36	188	.175	.25	Iron
70F475AI	47	44	2.5	9.1	3.36	188	.175	.25	Iron
70F565AI	56	45	2.5	8.6	3.84	176	.18	.25	Iron
70F685AI	68	42	2.5	8.1	4.2	169	.18	.25	Iron
70F755AI	75	38	2.5	7.2	4.56	162	.185	.25	Iron
70F825AI	82	41	2.5	6.7	4.8	158	.185	.25	Iron
70F915AI	91	41	2.5	6.7	4.92	156	.185	.25	Iron
70F104AI	100	25	2.5	3.6	7.68	139	.165	.25	Iron
70F124AI	120	40	.79	3.2	8.16	135	.165	.25	Iron
70F154AI	150	47	.79	3	8.16	135	.165	.25	Iron
70F184AI	180	48	.79	2.8	8.16	135	.17	.25	Iron
70F204AI	200	47	.79	2.7	10.3	120	.17	.25	Iron
70F224AI	220	46	.79	2.5	11.5	114	.17	.25	Iron
70F254AI	250	49	.79	2.5	12.1	111	.17	.25	Iron
70F274AI	270	46	.79	2.5	13.2	106	.175	.25	Iron
70F304AI	300	46	.79	2.2	13.2	106	.175	.25	Iron
70F334AI	330	41	.79	2	13.9	103	.175	.25	Iron
70F354AI	350	46	.79	2	14.4	102	.18	.25	Iron
70F394AI	390	45	.79	2	15.8	97	.18	.25	Iron
70F474AI	470	35	.79	1.8	16.3	95	.185	.25	Iron
70F504AI	500	49	.79	1.8	18	91	.195	.25	Iron
70F564AI	560	41	.79	1.7	19.2	88	.195	.25	Iron
70F684AI	680	37	.79	1.6	19.8	87	.2	.25	Iron
70F754AI	750	40	.79	1.6	22.9	80	.21	.25	Iron
70F824AI	820	33	.79	1.6	22.9	80	.21	.25	Iron
70F914AI	910	32	.79	1.4	24	79	.22	.25	Iron
70F103AI	1,000	30	.79	1.4	24	79	.225	.25	Iron
70F123AI	1,200	34	.25	1.2	33.6	66	.22	.25	Iron
70F153AI	1,500	40	.25	1.1	37.2	63	.225	.25	Iron
70F183AI	1,800	40	.25	.96	42	59	.235	.25	Iron
70F223AI	2,200	40	.25	.96	45.6	57	.24	.25	Iron
70F253AI	2,500	48	.25	.96	45.6	57	.26	.38	Iron
70F273AI	2,700	50	.25	.88	45.6	57	.26	.38	Iron
70F333AI	3,300	52	.25	.8	51.6	53	.26	.38	Iron
70F393AI	3,900	53	.25	.76	57.6	51	.275	.38	Iron
70F473AI	4,700	49	.25	.68	64.8	48	.285	.38	Iron
70F563AI	5,600	53	.25	.68	69.6	46	.3	.38	Iron
70F683AI	6,800	51	.25	.64	78	43	.31	.38	Iron
70F753AI	7,500	49	.25	.6	85.2	41	.31	.38	Iron
70F823AI	8,200	48	.25	.6	92.4	40	.33	.38	Iron
70F913AI	9,100	52	.25	.56	98.4	39	.33	.38	Iron
70F102AI	10,000	41	.25	.52	101	38	.335	.38	Iron
70F122AI	12,000	46	.079	.36	100	50	.3	.5	Iron
70F152AI	15,000	50	.079	.32	113	47	.3	.5	Iron
70F182AI	18,000	49	.079	.29	128	44	.325	.5	Iron
70F222AI	22,000	50	.079	.27	144	41	.33	.5	Iron

Continued on next page.

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70F SERIES

	Miller Number	L \pm 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Coil Dia. Max.	Form Length \pm .03	Core Material
L and Q measured on Q-meter	70F252AF	25,000	59	.079	.25	115	46	.34	.63	Ferrite
	70F272AF	27,000	61	.079	.244	120	45	.353	.63	Ferrite
	70F332AF	33,000	61	.079	.232	134	43	.353	.63	Ferrite
	70F392AF	39,000	59	.079	.22	147	41	.37	.63	Ferrite
	70F472AF	47,000	57	.079	.206	168	38	.384	.63	Ferrite
	70F502AF	50,000	57	.079	.196	175	37	.4	.63	Ferrite
	70F562AF	56,000	57	.079	.188	189	36	.4	.63	Ferrite
	70F682AF	68,000	57	.079	.18	215	34	.415	.63	Ferrite
	70F752AF	75,000	53	.079	.174	222	33	.43	.63	Ferrite
	70F822AF	82,000	50	.079	.168	238	32	.43	.63	Ferrite
L measured on 1 kHz bridge. Q measured on Q-meter.	70F912AF	91,000	51	.079	.166	250	31	.43	.63	Ferrite
	70F101AF	100,000	48	.079	.157	278	29	.446	.63	Ferrite
	70F121AF	120,000	46	.025	.084	288	48	.485	.88	Ferrite
	70F151AF	150,000	49	.025	.077	328	44	.505	.88	Ferrite
	70F181AF	180,000	51	.025	.075	374	41	.525	.88	Ferrite
	70F221AF	220,000	51	.025	.07	424	39	.54	.88	Ferrite
	70F251AF	250,000	52	.025	.065	468	37	.555	.88	Ferrite
	70F271AF	270,000	53	.025	.062	490	36	.57	.88	Ferrite
	70F331AF	330,000	54	.025	.06	540	34	.58	.88	Ferrite
	70F391AF	390,000	54	.025	.056	617	33	.6	.88	Ferrite
	70F471AF	470,000	55	.025	.054	704	30	.615	.88	Ferrite
	70F501AF	500,000	53	.025	.052	736	30	.635	.88	Ferrite

72F SERIES

Single Pi Universal Wound

Varnish Impregnated.



Form Dimensions:

Length .375

Diameter .187

Leads:

Length 1.5 \pm .13

Wire AWG 22 TCW

	Miller Number	L \pm 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Coil Dia. \pm .03	Core Material
	72F105AP	10	23	2.5	13	1.58	356	.22	Phenolic
	72F125AP	12	21	2.5	12	1.69	344	.22	Phenolic
	72F155AP	15	20	2.5	11	1.85	329	.23	Phenolic
	72F185AP	18	20	2.5	9.8	2.08	310	.23	Phenolic
	72F225AP	22	18	2.5	9.6	2.28	296	.23	Phenolic
	72F275AP	27	17	2.5	8.9	2.54	281	.25	Phenolic
	72F335AP	33	16	2.5	8.1	2.87	264	.25	Phenolic
	72F395AP	39	15	2.5	7.5	3.14	252	.25	Phenolic
	72F475AP	47	14	2.5	7.2	3.43	241	.25	Phenolic
	72F565AP	56	13	2.5	6.5	3.72	232	.27	Phenolic
	72F685AP	68	12	2.5	6.1	4.2	218	.27	Phenolic
	72F825AP	82	12	2.5	5.8	4.44	212	.28	Phenolic
	72F104AP	100	20	.79	5.3	5.16	197	.28	Phenolic
	72F124AP	120	19	.79	5	5.64	188	.3	Phenolic
	72F154AP	150	18	.79	4.6	6.36	177	.31	Phenolic
	72F184AP	180	17	.79	4.3	7.02	169	.33	Phenolic
	72F224AP	220	17	.79	4	7.91	159	.34	Phenolic
	72F274AP	270	16	.79	3.5	8.94	150	.34	Phenolic
	72F334AP	330	16	.79	3.3	9.96	142	.36	Phenolic
	72F394AP	390	16	.79	3.1	10.9	135	.38	Phenolic
	72F474AP	470	15	.79	2.9	12	129	.38	Phenolic
	72F564AP	560	14	.79	2.6	13.2	123	.38	Phenolic
	72F684AP	680	14	.79	2.4	14.6	117	.39	Phenolic
	72F824AP	820	13	.79	2.2	16.1	111	.41	Phenolic
	72F103AP	1,000	28	.25	1.9	19.1	102	.42	Phenolic

73F SERIES

Single Pi Universal Wound

Varnish Impregnated.



Form Dimensions:

Length .625

Diameter .187

Leads:

Length 1.5 \pm .13

Wire AWG 20 TCW

	Miller Number	L \pm 5% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA	Coil Dia.	Core Material
	73F104AF	100	140	.79	7.7	2	250	.27	Ferrite
	73F124AF	120	140	.79	7	2.2	250	.27	Ferrite
	73F154AF	150	160	.79	6.3	2.5	250	.27	Ferrite
	73F184AF	180	160	.79	6	2.9	250	.28	Ferrite
	73F224AF	220	160	.79	5.6	3.2	250	.3	Ferrite
	73F274AF	270	160	.79	5.1	3.6	250	.3	Ferrite
	73F334AF	330	160	.79	4.8	3.8	250	.31	Ferrite
	73F394AF	390	160	.79	4.4	4.2	225	.33	Ferrite
	73F474AF	470	160	.79	3.9	4.8	200	.33	Ferrite
	73F564AF	560	160	.79	3.6	5.3	200	.34	Ferrite
	73F684AF	680	160	.79	3.4	6	200	.36	Ferrite
	73F824AF	820	150	.79	3.1	6.8	200	.38	Ferrite
	73F103AF	1,000	140	.79	2.6	7.5	150	.41	Ferrite
	73F123AF	1,200	140	.25	2.2	7.8	150	.48	Ferrite
	73F153AF	1,500	140	.25	2	8.8	150	.52	Ferrite
	73F183AF	1,800	140	.25	1.8	11	150	.55	Ferrite
	73F223AF	2,200	100	.25	1.5	12	150	.38	Ferrite
	73F273AF	2,700	100	.25	1.4	13.5	125	.41	Ferrite
	73F333AF	3,300	100	.25	1.3	15.1	125	.44	Ferrite
	73F393AF	3,900	95	.25	1.2	18	125	.45	Ferrite
	73F473AF	4,700	95	.25	1	21.5	100	.47	Ferrite
	73F563AF	5,600	95	.25	1	25	80	.5	Ferrite
	73F683AF	6,800	95	.25	.9	29	80	.53	Ferrite
	73F823AF	8,200	70	.25	.91	30	80	.48	Ferrite
	73F102AF	10,000	65	.25	.85	34	80	.52	Ferrite

74F SERIES

Solenoid Wound
Varnish Impregnated



Form Dimensions:

Length .5
Diameter .156

Color Coded to
EIA Standards.

Miller Number	L \pm 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Coil Dia. Max.	Core Material
74F106AP	1	45	7.9	190	.2	1000	.2	Phenolic
74F126AP	1.2	45	7.9	174	.22	950	.2	Phenolic
74F156AP	1.5	45	7.9	160	.25	900	.2	Phenolic
74F186AP	1.8	45	7.9	144	.28	850	.2	Phenolic
74F226AP	2.2	45	7.9	132	.3	800	.2	Phenolic
L \pm 10% uH								
74F276AP	2.7	45	7.9	119	.5	700	.2	Phenolic
74F336AP	3.3	45	7.9	108	.7	600	.2	Phenolic
74F396AP	3.9	45	7.9	101	.8	500	.2	Phenolic
74F476AP	4.7	50	7.9	91	1	400	.2	Phenolic
74F566AP	5.6	50	7.9	83	1.8	350	.2	Phenolic
74F686AP	6.8	50	7.9	75	1.85	300	.2	Phenolic
74F826AP	8.2	50	7.9	68	1.9	275	.2	Phenolic
74F105AP	10	50	7.9	62	3	250	.2	Phenolic
74F125AP	12	30	2.5	57	3.6	200	.2	Phenolic
74F155AP	15	30	2.5	51	6	150	.2	Phenolic
74F185AP	18	30	2.5	46	7.5	100	.2	Phenolic
74F225AI	22	85	2.5	28	2	500	.2	Iron
74F275AI	27	80	2.5	26	1.85	450	.2	Iron
74F335AI	33	80	2.5	24	2	450	.2	Iron
74F395AI	39	90	2.5	21	2.6	400	.2	Iron
74F475AI	47	90	2.5	19	3.5	350	.2	Iron
74F565AI	56	90	2.5	18	3.75	300	.2	Iron
74F685AI	68	90	2.5	17	4	250	.2	Iron
74F825AI	82	100	2.5	15	5.1	200	.2	Iron
74F104AI	100	100	2.5	14	6	150	.2	Iron

RFC SERIES

Frequency Selective RF Chokes

Current Rating: 600 mA dc
Varnish Impregnated



Fig. 1 Form threaded for 6-32 mounting screw.

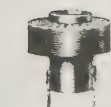


Fig. 2 Leads: 1.5 \pm .13

Miller Number	L \pm 10% uH	Test Freq. MHz	Freq. Range MHz	Fig.	R _{dc} Max. Ohms	Coil Dia. Max.	Form Length	Core Material
RFC-3.5	266	.79	1.8-5	1	12.96	.5	3.5	Ceramic
RFC-7	208	.79	3-13	1	9.36	.5	3.5	Ceramic
RFC-14	84	2.5	7-20	1	4.32	.5	2	Ceramic
RFC-21	38.5	2.5	15-30	2	1.63	.44	1.5	Phenolic
RFC-28	24	2.5	25-40	2	.84	.44	1.5	Phenolic
RFC-50	8.2	7.9	30-90	2	.48	.31	1	Phenolic
RFC-144	1.72	7.9	75-180	2	.12	.25	.75	Phenolic
RFC-220	.82	25	160-340	2	.041	.25	.75	Phenolic
RFC-420	.22	25	325-500	2	.019	.25	.5	Phenolic

PRINTED CIRCUIT RF Chokes

2 Terminals 180° Spacing
Single-Pi Universal Wound
Terminal end view



Resinite Form



Form Length .875

Varnish Impregnated

L measured on 1 kHz bridge.

Q measured on Q-meter.

On Special Order

they can be—

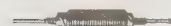
(1) Fungus-proofed
using varnish per
MIL-V-173A.

(2) Encapsulated in
epoxy resin to conform
to MIL-C-15305.

Miller Number	L \pm 5% uH	Q Min.	Test Freq. (Q) MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Coil Dia. Max.	Core Material
970	1,000	45	.25	1.57	20.6	125	.7	Air
971	1,200	47	.25	1.46	23.8	125	.72	Air
972	1,500	49	.25	1.38	26.4	125	.74	Air
973	1,800	50	.25	1.24	29.6	125	.75	Air
974	2,200	51	.25	1.04	32.9	125	.77	Air
975	2,700	52	.25	1.06	37.4	125	.8	Air
976	3,300	52	.25	.985	41.8	125	.82	Air
977	3,900	52	.25	.9	46.7	125	.85	Air
978	4,700	52	.25	.848	51.8	125	.88	Air
979	5,600	51	.25	.76	57.6	125	.91	Air
980	6,800	51	.25	.716	64.4	125	.95	Air
981	8,200	38	.25	.52	73	100	.85	Air
982	10,000	43	.079	.48	81.6	100	.88	Air
983	12,000	46	.079	.424	92.4	100	.91	Air
984	15,000	48	.079	.398	105	100	.95	Air
985	18,000	51	.079	.37	117	100	.99	Air
986	22,000	51	.079	.32	130	75	.99	Air
987	27,000	51	.079	.294	145	75	1.05	Air
988	33,000	44	.079	.288	251	75	1	Air
989	39,000	44	.079	.264	277	75	1.05	Air
990	47,000	40	.079	.19	316	50	.91	Air
991	56,000	39	.079	.177	351	50	.95	Air
992	68,000	33	.079	.16	391	50	1	Air
993	82,000	31	.079	.145	442	50	1.03	Air
994	100,000	29	.079	.138	473	50	1.08	Air

These chokes cover an inductance range from .1 uH to 50,000 uH. Either solenoid or 3-Pi universal windings are used to insure low distributed capacity. Coils are varnish impregnated.

Phenolic Core Solenoid

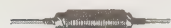


Leads: $1.5 \pm .13$
AWG 21 TCW

Core: Length .750
Diameter .188

Miller Number	L \pm 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Coil Dia.	Core Material
4580	.1	68	25	500	.017	3000	.27	Phenolic
4582	.15	73	25	410	.018	2900	.27	Phenolic
4584	.22	77	25	340	.02	2800	.27	Phenolic
4586	.33	80	25	288	.024	2600	.27	Phenolic
4588	.47	90	25	243	.034	2500	.27	Phenolic
4590	.68	83	25	208	.036	2400	.27	Phenolic
4592	.75	81	25	204	.04	2200	.27	Phenolic
4594	.82	88	25	200	.043	2100	.27	Phenolic
4602	1	60	7.9	190	.05	2000	.27	Phenolic
L \pm 10% uH								
4604	1.5	58	7.9	149	.093	1800	.27	Phenolic
4606	2.4	56	7.9	120	.19	1500	.27	Phenolic
4608	3.9	60	7.9	93	.45	1000	.27	Phenolic
4609	5.5	57	7.9	80	.67	850	.27	Phenolic
4610	6.2	57	7.9	76	.83	700	.27	Phenolic
4611	8.2	57	7.9	65	1.2	600	.27	Phenolic
4612	10	36	2.5	61	1.5	500	.27	Phenolic

Iron Core Solenoid



Leads: $1.5 \pm .13$
AWG 20 TCW

Core: Length .875
Diameter .219

L \pm 5% uH								
4622	10	69	2.5	40	.11	1500	.29	Iron
4624	15	62	2.5	33	.17	1000	.29	Iron
4626	24	65	2.5	25	.34	800	.29	Iron
4628	39	70	2.5	20	.65	600	.29	Iron
4629	55	72	2.5	17	1	500	.29	Iron
4630	62	83	2.5	16	1.2	475	.29	Iron
4631	82	85	2.5	13	1.9	450	.29	Iron
4632	100	107	.79	12	3	400	.29	Iron

Phenolic Core 3-Pi Universal



Leads: $1.5 \pm .13$
AWG 21 TCW

Core: Length .750
Diameter .188

L \pm 5% uH								
4642	100	49	.79	11	5.4	160	.41	Phenolic
4644	150	53	.79	8.8	6.5	160	.41	Phenolic
4646	240	56	.79	7.2	8.5	160	.44	Phenolic
4648	390	57	.79	5.6	11	160	.5	Phenolic
4649	550	58	.79	4.8	13	160	.5	Phenolic
4650	620	59	.79	4.5	15	160	.53	Phenolic
4651	750	56	.79	4	16	160	.53	Phenolic
4652	1,000	59	.25	3.7	19	160	.56	Phenolic

Iron Core 3-Pi Universal



Leads: $1.5 \pm .13$
AWG 20 TCW

Core: Length .875
Diameter .219

L \pm 5% uH @ 1KHZ								
4662	1,000	83	.25	2.6	8.6	160	.47	Iron
4664	1,500	82	.25	2.1	11	160	.47	Iron
4666	2,400	80	.25	1.7	15	160	.53	Iron
4668	3,900	73	.25	1.4	20	160	.56	Iron
4669	5,500	69	.25	1.1	25	160	.59	Iron
4670	6,200	89	.25	1	37	100	.53	Iron
4671	8,200	83	.25	.94	46	100	.56	Iron
4672	10,000	68	.079	.82	50	100	.59	Iron

Ferrite Core 3-Pi Universal

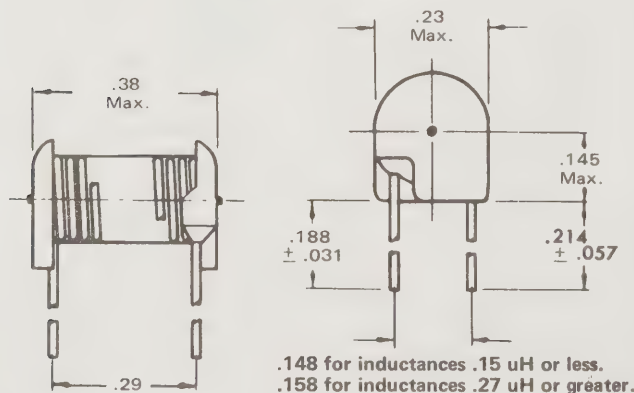


Leads: $1.5 \pm .13$
AWG 20 TCW

Core: Length .875
Diameter .250

L \pm 5% uH @ 1KHZ								
6302	2,500	106	.25	1.3	9	160	.47	Ferrite
6304	5,000	91	.25	1	14	160	.53	Ferrite
6306	10,000	108	.079	.71	31	100	.53	Ferrite
6308	25,000	102	.079	.47	82	65	.53	Ferrite
6310	50,000	113	.079	.33	127	65	.63	Ferrite

75F SERIES Molded Polypropylene

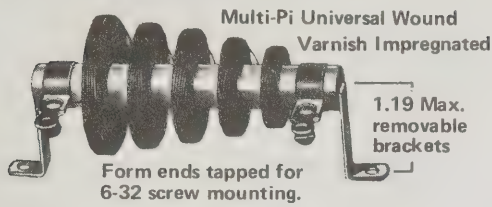


The 75F Series of inductors have unsurpassed stability and uniformity of electrical parameters. A plastic form of Polypropylene is molded around an accurately positioned winding. Especially useful for equipment operating in the 50-450 MHz range.

PART NUMBER	L \pm 10% uH	Q REF	TEST FREQ. MHz	TURNS	A DIM	WIRE SIZE
75F238MPC	.032	105	50	2 1/2	.148	22 TINNED CU.
75F328MPC	.039	95	40	3 1/2	.148	22 TINNED CU.
75F518MPC	.049	104	40	4 1/2	.148	22 TINNED CU.
75F117MPC	.108	90	25	8 1/2	.148	22 SINGLE POLY
75F157MPC	.142	90	25	10 1/2	.148	22 HEAVY POLY
75F277MPC	.275	92	25	14 1/2	.153	24 SINGLE POLY
75F397MPC	.364	93	25	15 1/2	.158	26 SYBOND 2
75F477MPC	.49	89	25	17 1/2	.159	27 SINGLE POLY
75F597MPC	.57	92	25	19 1/2	.159	27 SINGLE POLY

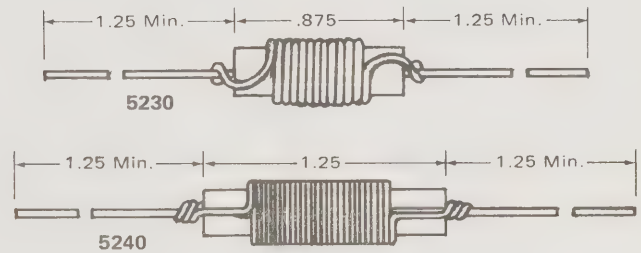
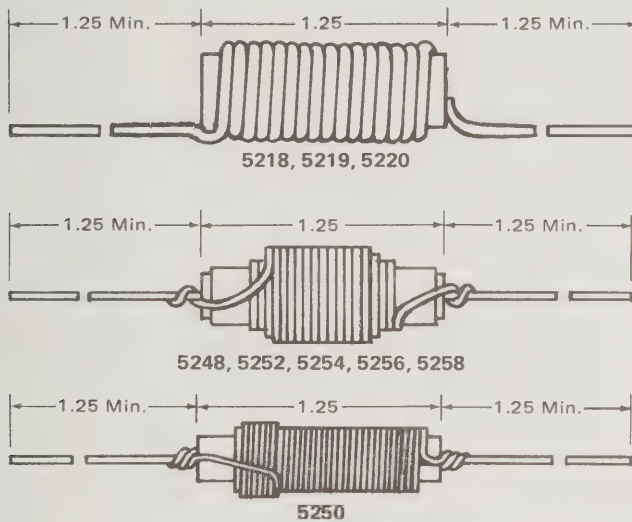
NOTE: ALL TESTING IS DONE ON A HP 4342A Q-METER.

TRANSMITTER RF Chokes



Miller Number	L \pm 5% MH	R,dc Max. Ohms	I,dc Max. mA	Coil Dia. Max.	Form Size	Mounting Centers	Core Material
4534	1	3	1,000	1.31	.5 x 3.5	4.13	Ceramic
4535	1.5	4.3	1,000	1.25	.5 x 3.5	4.13	Ceramic
4550	2	7.8	400	1.06	.5 x 2.5	3.06	Ceramic
4533	2.5	5.4	750	1.69	.5 x 3.5	4.13	Ceramic
4536	4	6.6	750	1.88	.5 x 3.5	4.13	Ceramic
4551	4	12	400	1.38	.5 x 2.5	3.06	Ceramic
2881	7	8.6	750	2	.5 x 3.5	4.13	Ceramic

HASH CHOKES



HASH Chokes

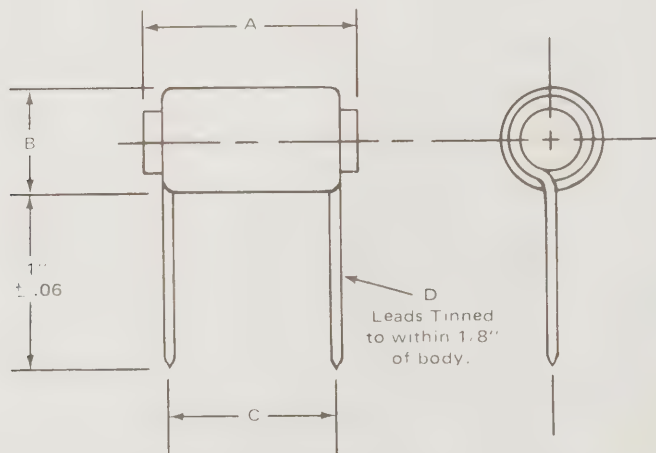
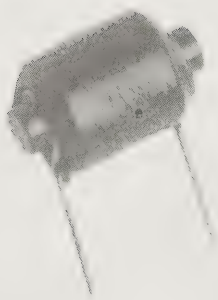
	Miller Number	L \pm 20% μ H	R,dc Max. Ohms	I,dc Max. Amps	Coil Dia. Max.	Form Length	Lead Wire Size	Lead Length Min.	Core Material
L measured on Q-meter at 7.9 MHz	5218	3.35	.01	20	.6	1.25	AWG 12	1.25	Iron
	5219	4.9	.016	15	.6	1.25	AWG 14	1.25	Iron
	5220	8.8	.021	10	.56	1.25	AWG 16	1.25	Iron
	5230	4	.012	8	.38	.875	AWG 20	1.25	Ferrite
L measured on 1 kHz bridge	5240	40	.082	3	.31	1.25	AWG 20	1.25	Ferrite
	5248	68	.054	5	.56	1.25	AWG 20	1.25	Ferrite
	5250	100	.216	2	.38	1.25	AWG 20	1.25	Ferrite
	5252	125	.08	3.5	.5	1.25	AWG 20	1.25	Ferrite
	5254	250	.17	2.5	.44	1.25	AWG 20	1.25	Ferrite
	5256	500	.26	2	.56	1.25	AWG 20	1.25	Ferrite
	5258	1,000	.55	1	.5	1.25	AWG 20	1.25	Ferrite

5500 SERIES High saturation flux density ferrite rods.

Chokes are ideal for all EMI/RFI filtering applications.
They are also suitable for energy storage inductors in switching power supplies.
Printed Circuit mounting.

* Inductance measured @ 1 kHz with 0 Amps D.C. current.
Typical inductance change is less than 5% @ maximum rated current.
Leads: 1" long. Tinned within 1/8" of body.

Miller Number	* L μ H $\pm 10\%$	R _{dc} Max. Ohms	I _{dc} Max. Amps	Dim. A Max.	Dim. B Max.	Dim. C $\pm .06$	Dim. D $\pm .005$
5501	5	.013	10	.88	.63	.50	.042
5502	10	.017	9	1.12	.63	.69	.042
5503	27	.030	7	.88	.81	.44	.042
5504	50	.045	5.6	1.12	.81	.75	.042
5505	100	.061	4.9	1.12	.81	.94	.042
5506	150	.069	4.6	1.38	.81	1.06	.042
5507	250	.089	4	1.62	.81	1.31	.042
5508	5	.009	14	.88	.64	.75	.053
5509	10	.012	12	1.12	.64	1	.053
5510	27	.022	9	.88	.88	.56	.053
5511	50	.028	8	1.12	.88	.75	.053
5512	68	.034	7.3	1.12	.88	.88	.053
5513	100	.038	6.8	1.38	.88	1	.053
5514	150	.046	6.3	1.62	.88	1.25	.053
5515	5	.006	19	1.12	.69	.81	.065
5516	10	.008	16	1.38	.69	1.22	.065
5517	27	.014	12.5	1.12	.94	.69	.065
5518	50	.020	10.5	1.38	.94	.94	.065
5519	68	.023	10	1.38	.94	1.12	.065
5520	100	.027	10	1.62	.94	1.31	.065
5521	5	.004	23	1.38	.72	.94	.082
5522	10	.006	20	1.69	.72	1.50	.082
5523	27	.010	15	1.38	1	.94	.082
5524	50	.013	15	1.62	1	1.12	.082

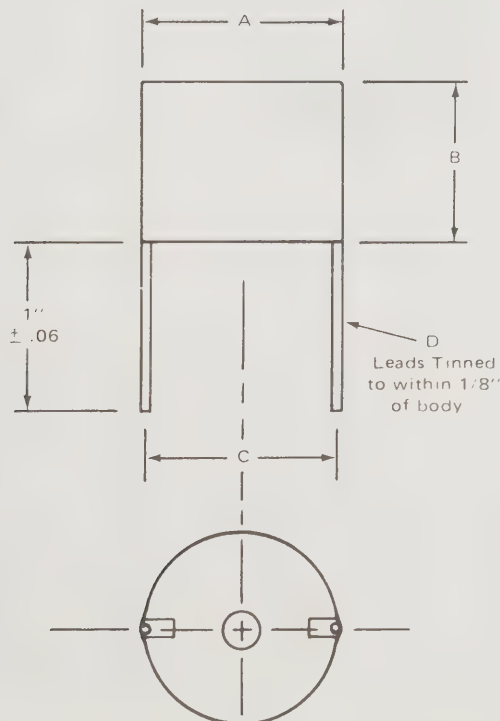
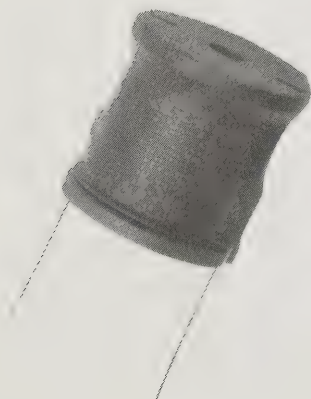


5600 SERIES High saturation flux density ferrite bobbins.

Chokes are ideal for all EMI/RFI filtering applications.
They are also suitable for energy storage inductors in switching power supplies.
Printed Circuit mounting.

* Inductance measured @ 1 kHz with 0 Amps D.C. current.
Typical inductance change is less than 5% @ twice rated current.
Leads: 1" long. Tinned within 1/8" of body.

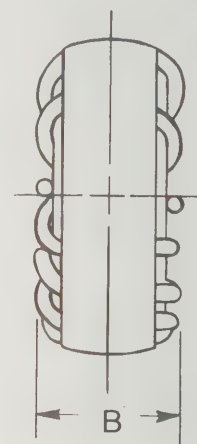
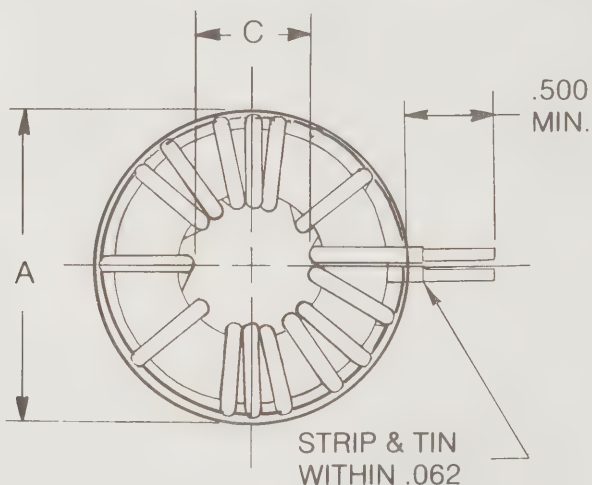
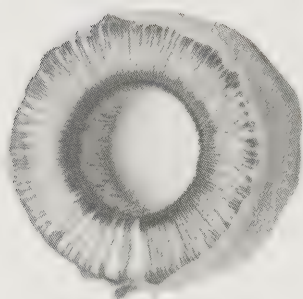
Miller Number	* L uH ± 10%	R,dc Max. Ohms	I,dc Max. Amps	Dim. A Max.	Dim. B Max.	Dim. C ± .06	Dim. D ± .005
5601	5	.007	15	.83	.91	.59	.065
5602	10	.008	14	.83	.91	.60	.065
5603	25	.023	8	.83	.91	.57	.042
5604	50	.034	6.6	.83	.91	.65	.042
5605	100	.072	4.5	.83	.91	.69	.042
5606	250	.173	2.9	.83	.91	.65	.042
5607	500	.378	2	.83	.91	.68	.042
5608	1,000	.801	1.3	.83	.91	.66	.042
5609	2,500	2.04	.85	.83	.91	.71	.042
5610	5	.005	20	1.22	1.11	.94	.082
5611	10	.006	17	1.22	1.11	.95	.082
5612	25	.009	14	1.22	1.11	.93	.082
5613	50	.017	10	1.22	1.11	.99	.065
5614	100	.034	7	1.22	1.11	.85	.053
5615	250	.083	4.6	1.22	1.11	.97	.053
5616	500	.129	3.7	1.22	1.11	1.12	.053
5617	1,000	.279	2.5	1.22	1.11	1.05	.053
5618	2,500	.690	1.6	1.22	1.11	1.05	.053
5619	50	.012	14	1.50	1.11	1.23	.082
5620	100	.025	9.8	1.50	1.11	1.12	.065
5621	250	.059	6.4	1.50	1.11	1.10	.053
5622	500	.090	5	1.50	1.11	1.14	.053
5623	1,000	.195	3.5	1.50	1.11	1.36	.053
5624	2,500	.499	2.2	1.50	1.11	1.32	.053
5625	5,000	1.08	1.5	1.50	1.11	1.27	.053
5626	100	.018	14	1.50	1.50	1.18	.082
5627	250	.040	9	1.50	1.50	1.12	.065
5628	500	.085	6.5	1.50	1.50	1.06	.053
5629	1,000	.183	4.4	1.50	1.50	1.23	.053
5630	2,500	.464	2.8	1.50	1.50	1.21	.053
5631	5,000	.714	2.2	1.50	1.50	1.32	.053
5632	10,000	1.55	1.5	1.50	1.50	1.25	.053



5700 SERIES High current toroids.

Chokes are ideal for all EMI/RFI filtering applications.
They are also suitable for energy storage inductors in switching power supplies.

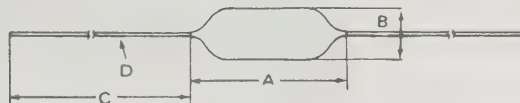
Miller Number	L_s at OADC $\mu\text{Hy} \pm 15\%$	Rated DC Amps	Min. Ind. μHy at Rated DC	DC Res. Ohms Max.	Outline Style	Lead Dia. Nom
5701	10	11.00	5	.008	1	.064
5702	25	5.50	12	.014	1	.040
5703	125	2.75	70	.12	1	.020
5704	275	2.00	150	.24	1	.016
5705	450	1.50	250	.49	1	.012
5706	25	9.00	15	.012	2	.064
5707	75	5.00	40	.04	2	.036
5708	400	2.25	225	.33	2	.018
5709	800	1.75	475	.64	2	.015
5710	1000	1.50	575	.98	2	.012
5711	50	9.50	25	.012	3	.064
5712	150	4.75	85	.046	3	.036
5713	700	2.25	400	.42	3	.018
5714	1250	1.75	750	.85	3	.015
5715	1600	1.50	950	1.27	3	.012
5716	125	7.75	65	.032	4	.064
5717	500	4.00	275	.15	4	.032
5718	1100	2.50	650	.33	4	.025
5719	2250	1.75	1350	.92	4	.018
5720	4500	1.25	2700	2.64	4	.012
5721	250	8.00	125	.041	5	.062
5722	900	3.75	500	.175	5	.032
5723	1800	2.50	1000	.55	5	.023
5724	4000	1.75	2100	1.16	5	.018
5725	8000	1.00	4500	3.34	5	.012



OUTLINE STYLE	MAX —A—	MAX —B—	MIN —C—
1	.875	.437	.187
2	1.125	.562	.312
3	1.250	.625	.375
4	1.812	.750	.750
5	2.125	.937	.625

High Quality Commercial Conformal Coated Inductors

Operating temperature: -20 C to +105 C
Working voltage: 250 VDC maximum
Terminal pull: 5 lbs, per EIA RS 186C, Method 208
Solderability: per Mil Std-202, Method 208
Humidity: per EIA RS 186, Method 2
Material: coating-epoxy
leads-tinned copper
Core Material: Ferrite



A B C D

77F DIMENSIONS

MAX. .410 .157 1.0 .025

78F DIMENSIONS

MAX. .280 .110 1.0 .020

Type 77

Part Number	L \pm 10% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA
77F1R0K	1.0	45	25.2	157	0.17	920
77F1R2K	1.2	50	7.96	144	0.21	880
77F1R5K	1.5	50	7.96	131	0.23	830
77F1R8K	1.8	55	7.96	121	0.25	790
77F2R2K	2.2	55	7.96	110	0.28	750
77F2R7K	2.7	60	7.96	100	0.30	720
77F3R3K	3.3	65	7.96	94	0.34	670
77F3R9K	3.9	65	7.96	86	0.37	640
77F4R7K	4.7	70	7.96	80	0.39	620
77F5R6K	5.6	70	7.96	74	0.43	590
77F6R8K	6.8	75	7.96	68	0.48	550
77F8R2K	8.2	80	7.96	53	0.52	530
77F100K	10	85	7.96	45	0.58	500
77F120K	12	75	2.52	34	0.63	480
77F150K	15	70	2.52	20	0.72	460
77F180K	18	65	2.52	14	0.77	430
77F220K	22	60	2.52	9.9	0.84	410
77F270K	27	55	2.52	7.6	0.94	390
L \pm 5% uH						
77F330J	33	55	2.52	6.3	1.03	370
77F390J	39	50	2.52	6.3	1.12	350
77F470J	47	45	2.52	6.3	1.22	340
77F560J	56	40	2.52	6.2	1.34	320
77F680J	68	40	2.52	5.7	1.47	305
77F820J	82	35	2.52	5.3	1.62	290
77F101J	100	30	2.52	4.8	1.80	275
77F121J	120	70	0.796	3.8	3.70	185
77F151J	150	70	0.796	3.5	4.20	175
77F181J	180	70	0.796	3.3	4.60	165
77F221J	220	70	0.796	3.0	5.10	155
77F271J	270	65	0.796	2.8	5.80	145
77F331J	330	65	0.796	2.6	6.40	137
77F391J	390	65	0.796	2.4	7.00	133
77F471J	470	60	0.796	2.25	7.70	126
77F561J	560	60	0.796	2.1	8.50	120
77F681J	680	55	0.796	1.95	9.40	113
77F821J	820	55	0.796	1.85	10.5	105
77F102J	1000	50	0.796	1.40	14.0	100

Type 78

Part Number	L \pm 20% uH	Q Min.	Test Freq. MHz	Fo Min. MHz	R,dc Max. Ohms	I,dc Max. mA
78FR10M	0.10	40	25	400	0.06	500
78FR12M	0.12	40	25	400	0.06	500
78FR15M	0.15	40	25	400	0.07	500
78FR18M	0.18	40	25	400	0.08	450
L \pm 10% uH						
78FR22K	0.22	40	25	380	0.08	1025
78FR27K	0.27	40	25	360	0.08	950
78FR33K	0.33	40	25	350	0.08	815
78FR39K	0.39	40	25	320	0.09	700
78FR47K	0.47	40	25	300	0.10	650
78FR56K	0.56	40	25	280	0.11	545
78FR68K	0.68	40	25	250	0.12	495
78FR82K	0.82	40	25	200	0.12	415
78F1R0K	1.0	40	25	180	0.15	385
78F1R2K	1.2	40	7.9	165	0.18	590
78F1R5K	1.5	45	7.9	150	0.20	535
78F1R8K	1.8	50	7.9	125	0.25	455
78F2R2K	2.2	50	7.9	110	0.28	395
78F2R7K	2.7	50	7.9	95	0.30	355
L \pm 5% uH						
78F3R3J	3.3	50	7.9	70	0.34	270
78F3R9J	3.9	45	7.9	65	0.32	250
78F4R7J	4.7	45	7.9	50	0.35	230
78F5R6J	5.6	45	7.9	40	0.40	185
78F6R8J	6.8	40	7.9	30	0.45	175
78F8R2J	8.2	40	7.9	28	0.55	155
78F100J	10	40	2.5	22	0.72	130
78F120J	12	45	2.5	20	0.80	155
78F150J	15	50	2.5	16	0.88	150
78F180J	18	50	2.5	15	1.00	145
78F220J	22	50	2.5	13	1.20	140
78F270J	27	50	2.5	11	1.35	135
78F330J	33	50	2.5	10	1.50	193
78F390J	39	50	2.5	9.5	1.70	185
78F470J	47	60	2.5	8.5	2.30	167
78F560J	56	60	2.5	7.5	2.60	150
78F680J	68	60	2.5	6.5	2.90	137
78F820J	82	60	2.5	6.0	3.20	132
78F101J	100	60	2.5	5.5	3.50	125
78F121J	120	60	0.79	5.4	3.80	100
78F151J	150	60	0.79	4.7	4.40	90
78F181J	180	60	0.79	4.3	5.00	84
78F221J	220	60	0.79	4.0	5.70	76
78F271J	270	60	0.79	3.7	6.50	70
78F331J	330	60	0.79	3.4	9.50	65
78F391J	390	60	0.79	2.8	10.50	60
78F471J	470	60	0.79	2.5	11.60	53
78F561J	560	60	0.79	2.3	13.00	51
78F681J	680	60	0.79	2.0	18.00	45
78F821J	820	60	0.79	1.5	23.00	43
78F102J	1000	60	0.79	1.2	26.00	41

48A SERIES

These coils have unsurpassed stability and uniformity of electrical parameters.
A plastic form of polypropylene is molded around an accurately positioned winding.



May easily be tapped at
1/8, 1/4, 3/8, 5/8, 3/4
or 7/8 turn if desired.

Frequency range 30 — 250 MHz
Form length .73
OD at base .62
Coil OD .31
Lead spacing .408
Wire size AWG 20 TCW
Core 10-32 x 3/8 Carbonyl J

Miller Number	L uH Min.	L uH Nom.	L uH Max.	Q Min.	I _{dc} Max. A	No. Turns
48A518MPC	.046	.051	.055	100	2	1-1/2
48A778MPC	.071	.077	.082	100	2	2-1/2
48A117MPC	.099	.111	.122	100	2	3-1/2
48A147MPC	.118	.138	.157	100	2	4-1/2
48A187MPC	.15	.179	.207	100	2	5-1/2
48A227MPC	.181	.215	.278	100	2	6-1/2
48A257MPC	.209	.246	.283	100	2	7-1/2
48A287MPC	.241	.284	.316	100	2	8-1/2
48A317MPC	.27	.311	.351	100	2	9-1/2

49A SERIES

These coils have unsurpassed stability and uniformity of electrical parameters.
A plastic form of polypropylene is molded around an accurately positioned winding.

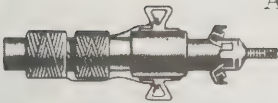


Frequency range 10 — 250 MHz
Form length .87 except 49A146MPC
* 49A146MPC 1.09
OD at base .46
Coil OD .285
Lead spacing .324
Wire size AWG 22 polyurethane
coated, with tinned leads.
Core 10-32 x 3/8 Carbonyl J

Miller Number	L uH Min.	L uH Nom.	L uH Max.	Q Min.	I _{dc} Max. A	No. Turns
49A678MPC	.06	.067	.074	100	1.5	2-1/3
49A127MPC	.1	.116	.132	100	1.5	3-1/3
49A167MPC	.134	.164	.194	100	1.5	4-1/3
49A217MPC	.17	.214	.258	100	1.5	5-1/3
49A347MPC	.25	.338	.415	100	1.5	7-1/3
49A537MPC	.393	.525	.657	70	1.5	10-1/3
49A757MPC	.6	.75	.9	70	1.5	14-1/3
49A997MPC	.81	.99	1.16	70	1.5	18-1/3
49A126MPC	.96	1.15	1.34	70	1.5	21-1/3
49A146MPC *	1.18	1.36	1.53	70	1.5	24-1/3

Adjustable R F Coils

Adjustable Wide Range Inductors



Form length 2.25, Width across terminals .75, Mounting hole .314

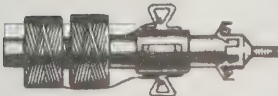
*Inductance calculated at frequency shown. Varnish Impregnated

**Minimum self resonant frequency measured at maximum inductance.

Coils are well adapted to prototype design because of their large inductance change and excellent Q.

Miller Number	L uH Min.	Q Min. @ L Min.	Test Freq. MHz	L uH Max.	Q Min. @ L Max.	Test Freq. MHz	Fo Min. ** MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Dia. Max.
9001	40	85	2.5	240	220	.79	6	2.04	250	.4
9002	180	80	.79	800	170	.79	4	4.08	250	.45
9003	570	73	.79	2,800	110	.25	.9	8.52	250	.58
9004	2,100	72	.25	8,000	88	.25	.62	15.4	250	.68
9005	6,000	69	.25	16,000	105	.079	.4	33.6	200	.8
9006	12,000	43	.079	40,000	72	.079	.26	91.2	125	.75
9007	30,000	43	.079	105,000	76	.050 *	.14	148	75	.68
9008	78,000	36	.079	240,000	61	.020 *	.1	264	75	.75
9009	180,000	20	.020 *	750,000	41	.020 *	.03	620	50	.75

Adjustable Wide Range Tapped Inductors



Form length 2.25, Width across terminals .75, Mounting hole .314

*Inductance calculated at frequency shown. Varnish Impregnated

**Minimum self resonant frequency measured at maximum inductance.

Coils are well adapted to prototype design because of their large inductance change and excellent Q. Tapped at one third of the total turns.

Miller Number	L uH Min.	Q Min. @ L Min.	Test Freq. MHz	L uH Max.	Q Min. @ L Max.	Test Freq. MHz	Fo Min. ** MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Dia. Max.
9011	40	85	2.5	240	220	.79	6	2.04	250	.4
9012	180	80	.79	800	170	.79	4	4.08	250	.45
9013	570	73	.79	2,800	110	.25	.9	8.52	250	.58
9014	2,100	72	.25	8,000	88	.25	.62	15.4	250	.68
9015	6,000	69	.25	16,000	105	.079	.4	33.6	200	.8
9016	12,000	43	.079	40,000	72	.079	.26	91.2	125	.75
9017	30,000	43	.079	105,000	76	.050 *	.14	148	75	.68
9018	78,000	36	.079	240,000	61	.020 *	.1	264	75	.75
9019	180,000	20	.020 *	750,000	41	.020 *	.03	620	50	.75

VL SERIES VARIABLE INDUCTORS

Reference: MIL-C-15305

Miller Part Number	L Nom. μH	Q at L Nom. MHz	Approx. Fo L Nom. MHz	R,dc 25°C,Max. Ohms
VL-R10	.1	85 25	>500	.02
VL-R15	.15	100 25	>500	.035
VL-R22	.22	100 25	>500	.04
VL-R33	.33	100 25	334	.04
VL-R47	.47	100 25	285	.05
VL-R68	.68	100 25	237	.07
VL-1R0	1	90 25	205	.13
VL-1R5	1.5	70 7.9	168	.24
VL-2R2	2.2	73 7.9	135	.3
VL-3R3	3.3	80 7.9	112	.45
VL-4R7	4.7	75 7.9	100	.8
VL-6R8	6.8	80 7.9	80	1.1
VL-100	10	82 7.9	67	1.9
VL-150	15	65 2.5	54.2	3.2
VL-220	22	55 2.5	17.5	3.4
VL-330	33	54 2.5	15	3.6
VL-470	47	51 2.5	13.2	4.5
VL-680	68	55 2.5	12	5.5
VL-101	100	50 2.5	10.5	6.7
VL-151	150	50 .79	3	11
VL-221	220	50 .79	2.7	13
VL-331	330	48 .79	2.24	16
VL-471	470	45 .79	1.9	18
VL-681	680	42 .79	1.7	21
VL-102	1000	40 .79	1.4	38
VL-152	1500	40 .25	1.14	54
VL-222	2200	44 .25	.96	66
VL-332	3300	46 .25	.86	85
VL-472	4700	48 .25	.76	99

Printed Circuit. Vertical Mount.

Tunable Range .10 $\mu\text{H} \pm 10\%$
 .15 — .22 $\mu\text{H} \pm 15\%$
 .33 — 4700 $\mu\text{H} \pm 20\%$

Q Values $\pm 20\%$

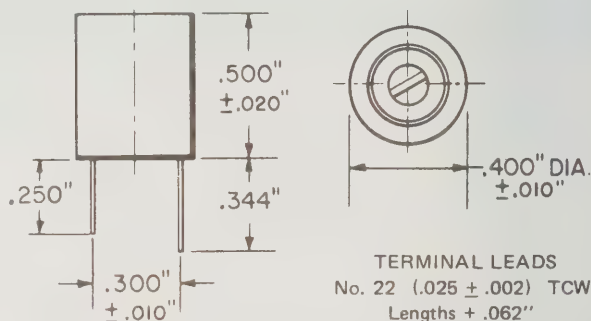
Minimum Fo, 80% of tabled value.

L and Q measured on Q-Meter with miniature alligator clips 1/32" from body.

Operating Temperature, -55°C to $+125^{\circ}\text{C}$

Torque, 1 to 4 inch ounces.

Terminal pull strength, 5 pounds.



VLS SERIES

VARIABLE INDUCTORS

Reference: MIL-C-15305

MS 21381, MS 21402

Subminiature, shielded, for high density circuits.

Printed Circuit.

Vertical Or Horizontal* Mount.

Tunable Range .10 μH .12 $\mu\text{H} \pm 5\%$
 All others $\pm 10\%$

Q and Fo not less than 80% tabled value at L Nom.

Working Voltage, 300 V DC

Maximum current for 35°C rise at 90°C ambient.

Incremental current to cause 5% inductance reduction maximum.

Operating Temperature, -55°C to $+125^{\circ}\text{C}$

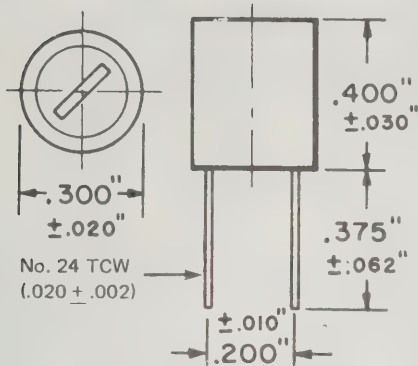
Torque, 1 to 4 inch ounces.

Terminal pull strength, three pounds.

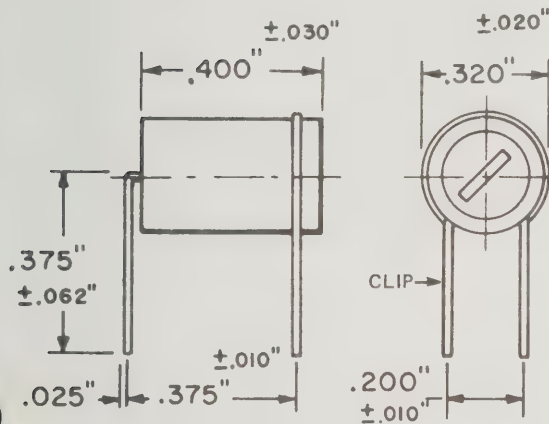
Miller Part Number	L Nom. μH	Test Freq. MHz	Q Nom.	Fo Nom. MHz	R,dc 25°C,Max. Ohms	I,dc Max. mA	Incr. I,dc mA
VLSR10	.1	25	70	>250	.03	2500	2500
VLSR12	.12	25	70	>250	.03	2500	2500
VLSR15	.15	25	70	>250	.03	2500	2500
VLSR18	.18	25	70	>250	.035	2400	2400
VLSR22	.22	25	70	>250	.038	2300	2300
VLSR27	.27	25	80	>250	.04	2200	2200
VLSR33	.33	25	80	>250	.04	2200	2200
VLSR39	.39	25	80	250	.045	2100	2100
VLSR47	.47	25	80	230	.045	2100	2100
VLSR56	.56	25	80	220	.05	2000	2000
VLSR68	.68	25	80	190	.055	1900	1900
VLSR82	.82	25	85	180	.06	1800	1800
VLS1R0	1	25	85	160	.07	1700	1700
VLS1R2	1.2	7.9	90	170	.085	1670	1670
VLS1R5	1.5	7.9	100	155	.1	1540	1540
VLS1R8	1.8	7.9	115	135	.11	1470	1470
VLS2R2	2.2	7.9	110	120	.12	1410	1410
VLS2R7	2.7	7.9	110	104	.125	1380	1380
VLS3R3	3.3	7.9	90	93	.165	1200	1200
VLS3R9	3.9	7.9	90	87	.18	1135	1135
VLS4R7	4.7	7.9	95	79	.245	985	985
VLS5R6	5.6	7.9	95	72	.265	950	950
VLS6R8	6.8	7.9	85	63	.33	853	853
VLS8R2	8.2	7.9	95	60	.46	720	720
VLS100	10	7.9	90	54	.64	620	620
VLS120	12	2.5	120	37	.8	545	545
VLS150	15	2.5	120	28.8	.865	520	520
VLS180	18	2.5	115	23.8	.94	504	504
VLS220	22	2.5	125	21.3	1.03	460	460
VLS270	27	2.5	115	20.6	1.18	418	418
VLS330	33	2.5	120	18.6	1.3	398	398
VLS390	39	2.5	120	17.7	1.41	385	385
VLS470	47	2.5	110	14.9	1.61	350	350

VLS SERIES

VARIABLE INDUCTORS



VERTICAL STYLE



HORIZONTAL STYLE

*With adapter clip supplied.

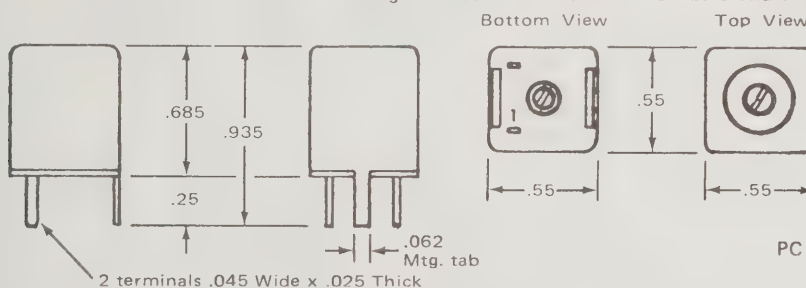
Miller Part Number	L Nom. uH	Test Freq. MHz	Q Nom.	Fo Nom. MHz	R,dc 25°C, Max. Ohms	I,dc Max. mA	Incr. I,dc mA
VLS560	56	2.5	115	13.9	2.08	330	330
VLS680	68	2.5	105	12.9	2.2	320	320
VLS820	82	2.5	105	11.7	2.42	300	300
VLS101	100	2.5	95	10.5	2.15	333	333
VLS121	120	.79	95	5.6	2.38	316	190
VLS151	150	.79	90	5.2	2.52	306	175
VLS181	180	.79	95	4.9	2.88	288	150
VLS221	220	.79	95	4.6	3.18	273	125
VLS271	270	.79	100	4.2	3.5	260	120
VLS331	330	.79	100	3.55	4.8	222	110
VLS391	390	.79	100	3.45	5.44	209	105
VLS471	470	.79	100	3.2	5.9	201	100
VLS561	560	.79	95	2.9	6.3	194	90
VLS681	680	.79	100	2.7	7.2	181	80
VLS821	820	.79	90	2.5	8	172	70
VLS102	1,000	.79	100	2.35	12	141	65
VLS122	1,200	.25	95	2.2	13.5	132	60
VLS152	1,500	.25	90	1.9	16.5	119	55
VLS182	1,800	.25	100	1.8	18	114	47
VLS222	2,200	.25	100	1.7	20.5	107	43
VLS272	2,700	.25	95	1.5	22.5	102	39
VLS332	3,300	.25	90	1.4	42	76	36
VLS392	3,900	.25	85	1.27	47.5	71	35
VLS472	4,700	.25	85	1.24	53	67	34
VLS562	5,600	.25	85	.93	62.5	65	31
VLS682	6,800	.25	75	.79	69.5	58	27
VLS822	8,200	.25	80	.75	75	56	26
VLS103	10,000	.25	70	.70	100	49	24
VLS123	12,000	.079	70	.50	64	60	40
VLS153	15,000	.079	70	.38	84	52	34
VLS183	18,000	.079	70	.36	93	50	30
VLS223	22,000	.079	70	.32	104	45	28
VLS273	27,000	.079	70	.30	173	35	26
VLS333	33,000	.079	70	.27	187	32	24
VLS393	39,000	.079	70	.26	220	30	22
VLS473	47,000	.079	70	.25	253	28	20
VLS563	56,000	.079	70	.24	285	26	19
VLS683	68,000	.079	60	.20	311	24	18
VLS823	82,000	.079	60	.19	385	22	16
VLS104	100,000	.079	60	.17	420	20	15

9050 SERIES

Dimensions: .55 sq. x .685 high.

Shielded Adjustable RF Coils

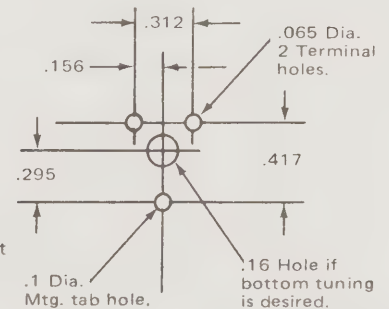
These compact adjustable coils offer a minimum two-to-one inductance range with relatively small changes in Q. Tuning is accessible from either top or bottom of the assembly. Magnetic shielding is achieved through the use of cup cores while the brass shield offers effective electrostatic shielding. Printed circuit terminals on base and shield.



* Minimum self resonant frequency measured at maximum inductance.

Miller Number	L uH Min.	Q Min. @ L Min.	Test Freq. MHz	L uH Max.	Q Min. @ L Max.	Test Freq. MHz	Fo Min.* MHz	R,dc Max. Ohms	I,dc Max. mA
9050	1.5	40	7.9	3	41	7.9	39	.66	80
9051	3	46	7.9	7	45	7.9	23	.85	125
9052	7	40	7.9	14	62	2.5	12	1.38	80
9053	14	48	2.5	28	66	2.5	7.2	2.1	80
9054	28	48	2.5	60	45	2.5	4.9	3	100
9055	60	40	2.5	120	69	.79	3.6	4	100
9056	120	52	.79	280	68	.79	2.5	5.75	80
9057	280	52	.79	650	62	.79	1.7	12	80
9058	650	36	.79	1,300	68	.25	1.2	15	100
9059	1,300	43	.25	3,000	53	.25	.57	23	100
9059-1	1,800	116	.25	2,200	129	.25	1.04	10	141
9060	3,000	32	.25	10,000	32	.079	.48	76	30
9061	8,000	35	.25	20,000	38	.079	.33	110	30
9062	15,000	25	.079	40,000	40	.079	.24	150	30
9063	20,000	36	.079	60,000	60	.079	.09	175	25

PC Board Layout



9100 SERIES

Shielded Adjustable RF Coils



Dimensions:
.44 sq. x .55 high.



Bottom View

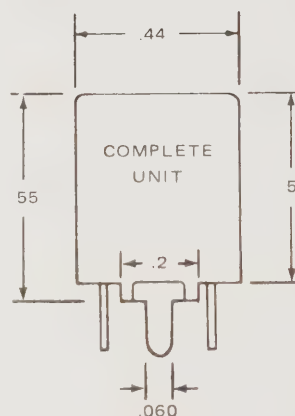
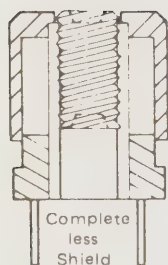
Winding tied to
terminals 2 and 3.

These ultra compact adjustable coils offer a good inductance range with relatively small changes in Q. Tuning is accessible from either top or bottom of the assembly. Magnetic shielding is achieved by the use of cup cores while the copper shield offers effective electrostatic shielding. Printed circuit terminals on base and shield. Applications between 10 kHz and 200 MHz.

* Minimum self resonant frequency measured at maximum inductance.

Miller Number	L uH Min.	Q Min. @ L Min.	Test Freq. MHz	L uH Max.	Q Min. @ L Max.	Test Freq. MHz	Fo Min.* MHz	R _{dc} Max. Ohms	I _{dc} Max. mA
9101	.099	64	25	.134	85	25	400	.01	4,850
9102	.129	70	25	.192	93	25	333	.01	4,430
9103	.165	77	25	.258	100	25	288	.02	3,970
9104	.246	83	25	.418	102	25	225	.02	3,830
9105	.366	88	25	.627	93	25	185	.02	3,430
9106	.588	40	25	.95	60	25	155	.9	516
9107	.83	43	25	1.54	50	7.9	116	1.02	485
9108	1.44	34	7.9	2.94	64	7.9	84	1.38	417
9109	2.52	40	7.9	5.7	77	7.9	60	1.76	368
9110	5.35	50	7.9	13.49	60	2.5	37.4	2.92	286
9111	12.5	31	2.5	29.45	60	2.5	9.7	4.72	225
9112	26.25	35	2.5	71.25	54	2.5	5.1	6.97	185
9113	64.57	36	2.5	163	50	.79	3.1	9.98	155
9114	147	31	.79	430	52	.79	2.1	16.32	121
9115	422	40	.79	1,100	42	.25	1.4	27.84	92
9116	1,050	39	.79	3,740	65	.25	.88	41.06	76
9117	3,360	40	.25	11,120	50	.079	.58	78.92	55

COIL FORMS



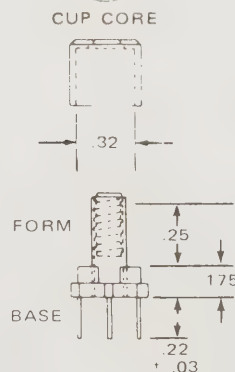
MILLER NUMBER	RECOMMENDED FREQ. RANGE	CORE MATERIAL	BASIC POWDER	COLOR CODE
9100-1	300 - 1000 kHz	Powdered Iron	Carbonyl C	Blue
9100-2	400 kHz - 10 MHz	Powdered Iron	Carbonyl E	Red
9100-6	10 - 50 MHz	Powdered Iron	Carbonyl SF	Yellow
9100-50	10 - 600 kHz	Ferrite		Orange

ASSEMBLY MATERIAL

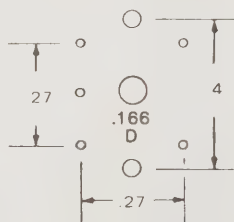
- 1 Copper Shield Can, tin plated.
- 1 Molded Base, with 5 terminals.
- 1 Coil Form, affixed to base.
- 1 Threaded Core, 8 32 x 5/16 with slot drive.
- 1 Cup Core.

BASIC PART NUMBER 9100

5 TERMINALS
AWG 22 (.025) TCW



TERMINAL SPACING



BASIC PART NO.

9100

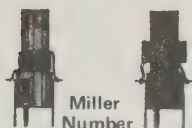
Tolerances: $\pm .01$ Unless Otherwise Specified.
Winding Space: .32 Diameter x .25 Long.

Vertical Mounted Printed Circuit Velvetork Adjustable RF Coils

Length .75
Diameter over Collar .33

Coil Form: Polyester impregnated Alpha-Cellulose tubing with internally bonded resilient ribs which provide both thread and torque control.

* Minimum self resonant frequency measured at maximum inductance.



Miller Number	L uH Min.	Q Min. @ L Min.	Test Freq. MHz	L uH Max.	Q Min. @ L Max.	Test Freq. MHz	Fo Min.* MHz	R _{dc} Max. Ohms	I _{dc} Max. mA	Dia. Max.
23A107RPC	.095	77	25	.125	94	25	350	.02	4100	.4
23A157RPC	.13	68	25	.17	92	25	300	.02	1600	.37
23A227RPC	.185	88	25	.265	100	25	230	.02	1600	.37
23A337RPC	.285	88	25	.41	93	25	198	.03	1000	.37
23A477RPC	.42	100	25	.58	80	25	150	.03	2500	.37
23A687RPC	.54	101	25	.85	89	25	136	.03	1600	.37
23A827RPC	.64	101	25	1	78	25	118	.03	1600	.37
23A106RPC	.76	98	25	1.25	70	7.9	114	.04	1600	.37
23A156RPC	1.2	65	7.9	1.87	70	7.9	89	.06	1000	.37
23A226RPC	1.65	61	7.9	2.75	65	7.9	77	.14	400	.37
23A336RPC	2.4	64	7.9	4.1	60	7.9	62	.17	400	.37
23A476RPC	3.4	68	7.9	5.8	60	7.9	53	.24	400	.37
23A686RPC	4.6	64	7.9	8.5	56	7.9	45	.39	250	.37
23A826RPC	5.6	64	7.9	10	57	2.5	40	.64	160	.37
23A105RPC	7.1	68	7.9	12.5	55	2.5	38	.77	160	.37
23A155RPC	10	58	2.5	18.7	95	2.5	11.7	1.68	100	.37
23A225RPC	14.8	61	2.5	27.5	90	2.5	8.4	1.91	100	.37
23A335RPC	22	60	2.5	41	75	2.5	6.7	2.34	100	.37
23A475RPC	31	58	2.5	58	68	2.5	5.6	2.72	100	.4
23A685RPC	43.5	56	2.5	85	55	2.5	4.6	3.3	100	.4
23A825RPC	61	48	2.5	100	88	.79	4.3	3.89	100	.4
23A104RPC	76	52	2.5	125	90	.79	3.8	4.39	100	.4
23A154RPC	105	57	.79	187	92	.79	3.3	5.46	100	.4
23A224RPC	160	63	.79	275	90	.79	2.9	6.7	100	.44
23A334RPC	240	66	.79	410	90	.79	2.5	8.3	100	.44
23A474RPC	360	68	.79	580	81	.79	2.1	10.5	100	.48
23A684RPC	530	66	.79	850	75	.79	1.75	12.9	100	.48
23A824RPC	700	64	.79	1,000	80	.25	1.7	14.9	100	.53
23A103RPC	910	66	.79	1,250	85	.25	1.61	17.1	100	.58
23A153RPC	990	35	.25	1,870	60	.25	.73	28.2	65	.45
23A223RPC	1,600	39	.25	2,750	62	.25	.62	34.8	65	.45
23A333RPC	2,400	41	.25	4,100	60	.25	.6	42.9	65	.48
23A473RPC	3,400	42	.25	5,800	57	.25	.53	51.6	65	.48
23A683RPC	5,150	42	.25	8,500	50	.25	.5	63.6	65	.55
23A823RPC	7,400	42	.25	10,000	50	.079	.4	75.6	65	.55
23A102RPC	9,800	40	.25	12,500	52	.079	.38	87.3	65	.55
23A152RPC	12,000	39	.079	18,700	55	.079	.32	111	65	.6
23A222RPC	12,100	20	.079	27,500	51	.079	.26	197	33	.6
23A332RPC	18,200	24	.079	41,000	54	.079	.21	244	33	.6
23A472RPC	27,500	28	.079	58,000	56	.079	.2	302	33	.6
23A682RPC	40,000	32	.079	85,000	56	.079	.16	378	33	.58
23A822RPC	50,000	34	.079	100,000	58	.079	.15	423	33	.58
23A101RPC	62,000	35	.079	125,000	56	.079	.14	468	33	.6

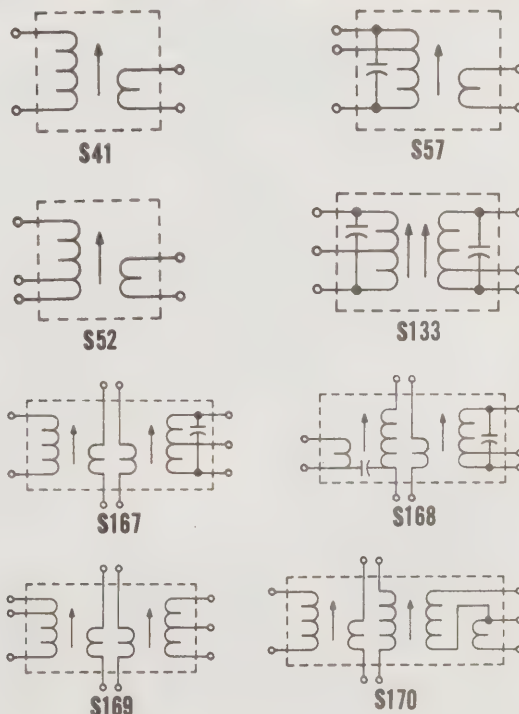
Printed Circuit Transistor Transformers

Schematics for Transformers and Oscillators



RADIO IF's

TV AND RADIO COILS AND TRANSFORMERS



Miller Number	Frequency	Specifications	Dimensions	Schematic
2066	455 kHz	50K - 800 Ohms	.402 x .512	S57
2067	455 kHz	30K - 500 Ohms	.402 x .512	S57
2068	455 kHz	20K - 5K Ohms	.402 x .512	S57
8807	455 kHz	6 dB 20 kHz	.413 x .788 x .512	S168
8810	455 kHz	50K - 800 Ohms	.276 x .453	S57
8811	455 kHz	30K - 500 Ohms	.276 x .453	S57
8812	455 kHz	20K - 5K Ohms	.276 x .453	S57
8851-A	10.7 MHz	6 dB 300 kHz	.413 x .788 x .512	S133
8852	10.7 MHz	100K - 300 Ohms	.402 x .512	S41
8853	10.7 MHz	20K - 500 Ohms	.402 x .512	S52
8854	10.7 MHz	25K - 500 Ohms	.402 x .512	S52

RATIO DETECTORS & DISCRIMINATORS

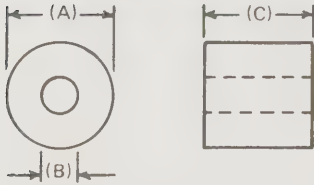
Miller Number	Freq. and Function	Specifications	Dimensions	Schematic
8805	455 kHz Ratio	20 kHz P/P	.413 x .788 x .512	S169
8806	455 kHz Disc.	20 kHz P/P	.413 x .788 x .512	S169
8849	10.7 MHz Ratio	500 kHz P/P	.413 x .788 x .512	S170
8850	10.7 MHz Disc.	300 kHz P/P	.413 x .788 x .512	S167

Oscillator Coils Broadcast Band 540 - 1650 kHz

Miller Number	For IF Freq.	L uH	Tuning Capacitor (pF)	Size	Schematic
2065	455 kHz	220 - 300	78 - 110 pF	.402 x .512	S52
8813	455 kHz	240 - 300	78 - 110 pF	.276 x .453	S52

FERRITE BEADS

The addition of a Ferrite Bead to a piece of wire causes the impedance of the lead to increase and acts like a small RF choke at high frequencies. It is possible to dissipate high frequency parasitic signals and attenuate undesirable frequencies that travel on DC circuits by the use of beads.



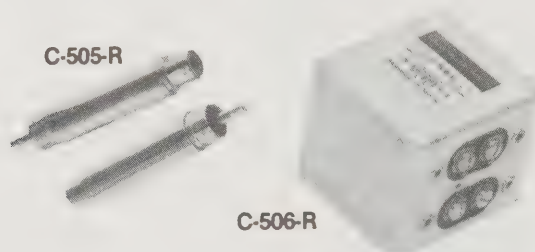
Miller Number	Ferrite Material No.	Suggested Frequency Range	(A) Outside Diameter		(B) Inside Diameter		(C) Length	
			Min.	Max.	Min.	Max.	Min.	Max.
FB73-085	73	Up to 40 MHz	.052	.056	.027	.031	.085	.095
FB43-226	43	40 to 200 MHz	.13	.146	.047	.055	.226	.246
FB73-226	73	Up to 40 MHz	.13	.146	.047	.055	.226	.246
FB43-110	43	40 to 200 MHz	.13	.146	.047	.055	.11	.126
FB64-110	64	Above 200 MHz	.13	.146	.047	.055	.11	.126
FB73-110	73	Up to 40 MHz	.13	.146	.047	.055	.11	.126
FB43-422	43	40 to 200 MHz	.19	.210	.057	.067	.422	.452
FB73-422	73	Up to 40 MHz	.19	.210	.057	.067	.422	.452
FB43-287	43	40 to 200 MHz	.291	.301	.089	.099	.287	.307
FB73-287	73	Up to 40 MHz	.291	.301	.089	.099	.287	.307

Audio Interference Filters

Eliminate interference caused in your audio equipment by radio amateur transmitters and other radio services.

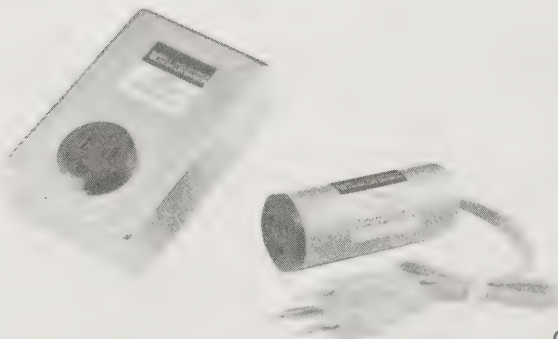
C-505-R consists of 1 pair and installs in the input lines of audio equipment. Size: 2-3/8" X 7/16"

C-506-R installs in speaker lines. One unit will take care of a stereo speaker system. Size: 2" X 1-7/8" X 1-7/16"



Power Line Filters

C-509-L



C-508-L

Eliminate or reduce interference to radio amateur receivers, TV's and radios, and prevent radio signals from entering power line.

C-508-L: 3-section LC filter, 3 A max.

C-509-L: 5-section LC filter (for more severe interference), 5 A max.

C-519-L1 EMI/RFI Power Line Filter Incorporating Varistor protection and 5-section LC Network

Model C-519-L1 EMI/RFI filter protects equipment from radio frequency interference and high energy transients produced by sources such as copying machines, radio transmitters, lightning and motors in units such as air conditioners.

Using latest varistor technology provides significantly higher energy handling capabilities.

General Specifications

- Outlets: 6 "U" ground.
- EMI/RFI protection: See curve of frequency vs attenuation.
- Voltage spike protection: Metal oxide varistors. See Pulse Lifetime ratings.)
- Case: Extruded aluminum.
- Power supply cord: 6' 14/3 SPT—black.
- Switch: Master switch with built-in pilot light.
- Dimensions: 11.9 in. L x 3.15 in. W x 3.13 in. H
- Mounting: Screw holes each end.
- Maximum rating:
 - 1) 15A, 125VAC, 60Hz, 1875 Watts, continuous duty.
 - 2) Maximum response times are based upon maximum voltage, and amperage ratings.
- Environment: For indoor use in dry locations.
- Shipping weight: 4 lbs.

Zinc oxide varistors are voltage dependent, symmetrical resistors which perform similarly to back-to-back zener diodes in circuit protection.

When exposed to high-energy voltage transients, varistor impedance changes from a very high standby value to a very low conducting value to clamp transients to safe levels.

For your convenience, a master ON/OFF switch with pilot light controls all six outlets.

Spike Handling Specifications

- Maximum spike energy dissipation: 70 joules one time. (10 x 1000 μ S.) (See Pulse Lifetime ratings.)
- Maximum spike voltage: 6000
- Maximum clamping voltage: 325 @ 100 Amps (8 x 20 μ S.)
- Surge current clamping ratio: 1.77:1 @ 100 Amps.
- Maximum spike current: (for an 8x20 micro-second spike pulse.) 6500 Amps.
- Clamping response time: < 35 nanoseconds.
- Operating temperature: - 40 C to 85 C.



**Model C-519-L1
5-Section
LC Network**

NOTE: All Inductance values on this page are measured at 1 kHz.

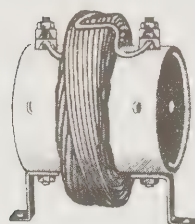
SINGLE LINE FILTER CHOKES



Resinite Form
Low Distributed Capacity
Varnish Impregnated
Universal Windings

Form dia. 1 Coil dia. 2.25 max.
Mounting height: 1.88

Miller Number	I Amps	L \pm 10% uH	R Max. Ohms
7825	2	600	.84
7825-3	3	250	.3
7825-5	5	100	.12
7825-8	8	50	.06

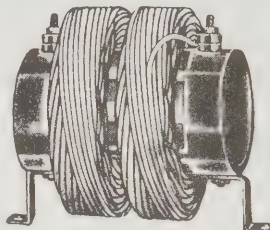


Varnish Impregnated. Resinite Form

Form: length 2.5 diameter 2
Mounting height: 4.25 max.

Miller Number	I Amps	L \pm 10% uH	R Max. Ohms
7826	5	570	.34
7827	10	370	.18
7828	15	200	.10
7829	20	135	.06

TOWER LIGHTING CHOKES



Two-pi universal wound chokes designed for use in tower lighting circuits of commercial transmitter antenna towers. They offer high impedance to radio frequency and extremely low distributed capacity. Low power-frequency reactance and DC resistance insure minimum lighting power loss. Varnish impregnated winding.

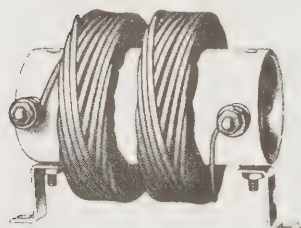
Resinite Form

Form: length 4.5
diameter 2
Mounting height: 4.38

Miller Number	I Amps	L \pm 10% uH	R Max. Ohms
7870	5	1,200	.67
7871	10	750	.36
7872	15	450	.20

DUAL LINE FILTER CHOKES

NOTE: Ratings are for each winding.



Resinite Form
Low Distributed Capacity
Varnish Impregnated
Universal Windings

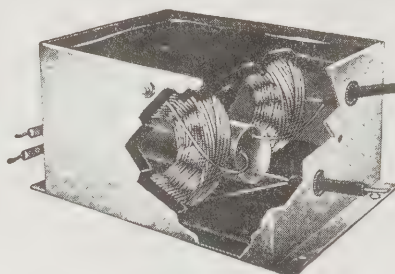
Form: length 3.25 diameter 1
Mounting height: 2.25 max.

Miller Number	I Amps	L \pm 10% uH	R Max. Ohms
D-7825	2	600	.84
D-7825-3	3	250	.3
D-7825-5	5	100	.12
D-7825-8	8	50	.06

Form: length 4.5 diameter 2
Mounting height: 4.25 max.

Miller Number	I Amps	L \pm 10% uH	R Max. Ohms
D-7826	5	570	.34
D-7827	10	370	.18
D-7828	15	200	.10
D-7829	20	135	.06

INDUSTRIAL FILTERS



These filters are designed for all types of RFI/EMI. The filter circuit consists of two universal wound chokes and two single layer chokes combined with three 2 uF capacitors.

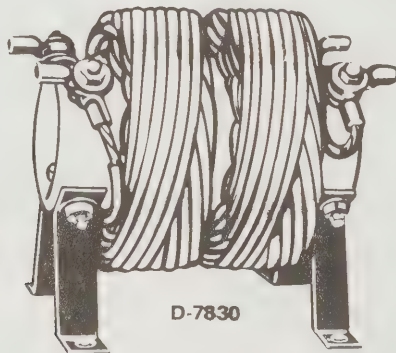
Volts: AC or DC to 240. Full-load voltage drop is Approx. 2 volts.

Length: 9.75 Depth: 6.5 Height 5



Miller Number	I Amps
7841	5
7842	10
7843	20
7844	30
7845	40

HEAVY DUTY LINE FILTER CHOKES



D-7830

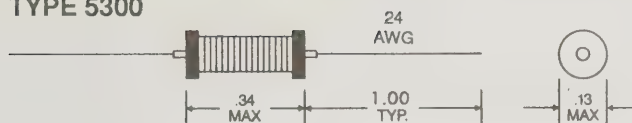
Universal wound with double cotton covered stranded cable. Copper tinned lugs and bolts are used on all current carrying hardware. Mounted on four sturdy steel brackets. Varnish impregnated windings.

Form: length 8
diameter 4
Mounting height: 10 max.

Miller Number	Number of Windings	I Amps	L \pm 10% uH	R Max. Ohms
7830	One	40	250	.43
7831	One	60	215	.28
D-7830	Two	40*	250*	.43*

* Ratings are for each winding.

TYPE 5300



1.0 uH-10 mH...
10% Tolerance

Notes:

1. Inductance: For 1.0 uH through 8.2 uH, effective inductance measured at 7.9 MHz in accordance with MIL-C-15305. For 10 uH through 10mH, inductance measured at 1KHz.
2. Incremental current (INCR I) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value because of saturation.
3. Operating temperature range -55° to +105° C.
4. Marking: Color coded to indicate inductance value.

Dash No.	Nominal Inductance	Max. DCR OHMS	Min. SRF MHz	Rated IDC ma	INCR I ma
-01	1.0μH	.018	190	3300	3000
-02	1.2	.019	170	3200	2700
-03	1.5	.020	160	3100	2500
-04	1.8	.023	150	2900	2100
-05	2.2	.031	130	2600	2000
-06	2.7	.033	120	2500	1900
-07	3.3	.054	110	1900	1700
-08	3.9	.060	100	1800	1500
-09	4.7	.068	86	1700	1400
-10	5.6	.074	64	1600	1300
-11	6.8	.080	44	1600	1200
-12	8.2	.087	32	1500	1100
-13	10	.095	25	1500	970
-14	12	.11	17	1400	880
-15	15	.15	13	1200	790
-16	18	.16	10	1100	710
-17	22	.19	8.4	1000	640
-18	27	.22	8.0	950	580
-19	33	.24	7.6	910	530
-20	39	.26	7.1	880	480
-21	47	.35	6.0	760	430
-22	56	.47	5.8	650	400
-23	68	.53	4.3	610	370
-24	82	.60	4.1	580	330
-25	100	.67	3.9	550	300
-26	120	.90	3.6	470	270
-27	150	1.2	3.2	410	250
-28	180	1.4	2.8	380	220
-29	220	1.9	2.3	320	200
-30	270	2.1	2.1	310	180
-31	330	2.4	1.9	290	170
-32	390	3.0	1.7	260	150
-33	470	3.4	1.4	240	140
-34	560	4.7	1.3	210	130
-35	680	6.4	1.2	180	110
-36	820	7.1	1.1	170	100
-37	1.0mH	7.9	1.0	160	95
-38	1.2	9.0	.94	150	87
-39	1.5	12	.76	130	78
-40	1.8	14	.72	120	71
-41	2.2	19	.64	100	64
-42	2.7	25	.56	90	58
-43	3.3	29	.53	83	52
-44	3.9	34	.48	77	48
-45	4.7	37	.45	74	44
-46	5.6	50	.40	63	40
-47	6.8	58	.36	59	36
-48	8.2	68	.29	54	33
-49	10	75	.27	52	30

Features:

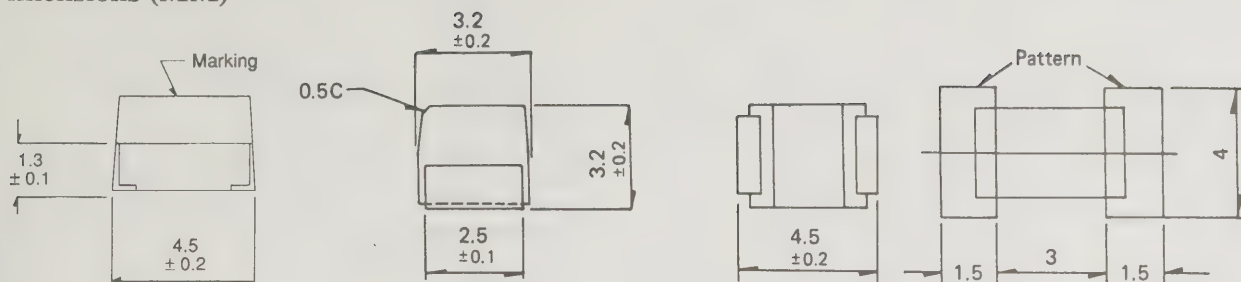
- * Excellent terminal strength when soldered by flow soldering, reflow soldering or soldering iron.
- * High Inductance range.
- * Laser marking for positive identification of values.
- * Accurate dimensions for automatic insertion.
- * Shock and pressure resistant.
- * Bulk or tape and reel packaging.

General Specifications:

- * Operating Temperature range -20°C to +85°C.
- * Resistance to soldering Temperature 250°C 10 seconds.
- * Solderability per MIL STD. 202 Method 208.
- * Terminal pull 1kg minimum.
- * Internally welded connections.
- * Humidity per EIA RS186, Method 2.
- * Resistance to solvents per MIL 202 E.
- * Material encapsulation: Epoxy resin.
Terminal : Tinned copper.
Core : Ferrite.

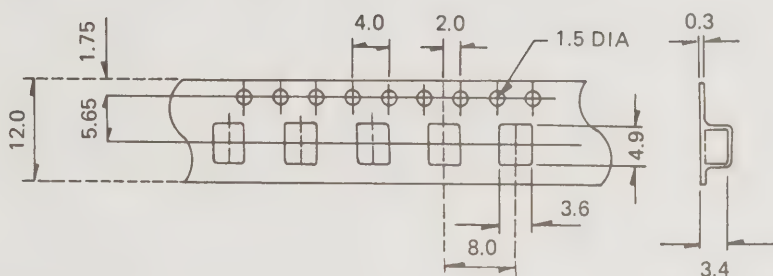
Part No.	Inductance (uh)		Q MIN	Test Frequency MHz	S.R.F. (MHz) MIN	D.C.R. (OHMS) MAX	IDC (MA) MAX
PM40-R-10M	0.1	+/-20%	30	25.2	250	0.20	740
PM40-R-22M	0.22	+/-20%	30	25.2	230	0.20	740
PM40-R-27M	0.27	+/-20%	30	25.2	200	0.23	690
PM40-R-33M	0.33	+/-20%	30	25.2	180	0.25	690
PM40-R-39M	0.39	+/-20%	30	25.2	155	0.26	640
PM40-R-47M	0.47	+/-20%	30	25.2	135	0.29	610
PM40-R-56M	0.56	+/-20%	30	25.2	120	0.31	590
PM40-R-68M	0.68	+/-20%	30	25.2	110	0.35	550
PM40-R-82M	0.82	+/-20%	30	25.2	105	0.39	520
PM40-1R0M	1.0	+/-20%	40	7.96	100	0.50	450
PM40-1R2M	1.2	+/-20%	40	7.96	80	0.55	430
PM40-1R5M	1.5	+/-20%	40	7.96	70	0.60	410
PM40-1R8M	1.8	+/-20%	40	7.96	60	0.65	390
PM40-2R2M	2.2	+/-20%	40	7.96	55	0.70	380
PM40-2R7M	2.7	+/-20%	40	7.96	50	0.75	370
PM40-3R3M	3.3	+/-20%	40	7.96	45	0.80	355
PM40-3R9M	3.9	+/-20%	40	7.96	40	0.90	330
PM40-4R7M	4.7	+/-20%	40	7.96	35	1.00	315
PM40-5R6M	5.6	+/-20%	40	7.96	33	1.10	300
PM40-6R8M	6.8	+/-20%	40	7.96	27	1.20	285
PM40-8R2M	8.2	+/-20%	40	7.96	25	1.40	270
PM40-100K	10	+/-10%	40	2.52	20	1.60	250
PM40-120K	12	+/-10%	40	2.52	18	2.00	225
PM40-150K	15	+/-10%	40	2.52	17	2.50	200
PM40-180K	18	+/-10%	40	2.52	15	2.80	190
PM40-220K	22	+/-10%	40	2.52	13	3.20	180
PM40-S70K	27	+/-10%	40	2.52	12	3.60	170
PM40-330K	33	+/-10%	40	2.52	11	4.00	160
PM40-390K	39	+/-10%	40	2.52	10	4.50	150
PM40-470K	47	+/-10%	40	2.52	10	5.80	140
PM40-560K	56	+/-10%	40	2.52	9.0	6.30	135
PM40-680K	68	+/-10%	40	2.52	9.0	7.10	130
PM40-820K	82	+/-10%	40	2.52	8.0	7.90	120
PM40-101K	100	+/-10%	30	0.796	8.0	8.80	110
PM40-121K	120	+/-10%	30	0.796	6.0	10.0	110
PM40-151K	150	+/-10%	30	0.796	5.0	11.0	105
PM40-181K	180	+/-10%	30	0.796	5.0	13.0	102
PM40-221K	220	+/-10%	30	0.796	4.0	13.0	100
PM40-271K	270	+/-10%	30	0.796	4.0	14.0	92
PM40-331K	330	+/-10%	30	0.796	3.5	16.0	85
PM40-391K	390	+/-10%	30	0.796	3.0	19.0	80
PM40-471K	470	+/-10%	30	0.796	3.0	31.0	62
PM40-561K	560	+/-10%	30	0.796	3.0	35.0	50
PM40-681K	680	+/-10%	30	0.796	3.0	39.0	50
PM40-821K	820	+/-10%	30	0.796	2.5	45.0	30
PM40-102K	1000	+/-10%	30	0.252	2.5	53.0	30

Dimensions (MM)

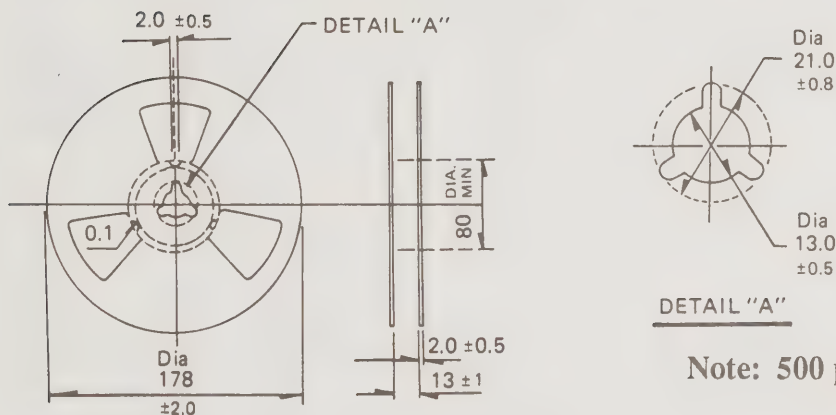


Taping Specifications

1. Carrier Tape

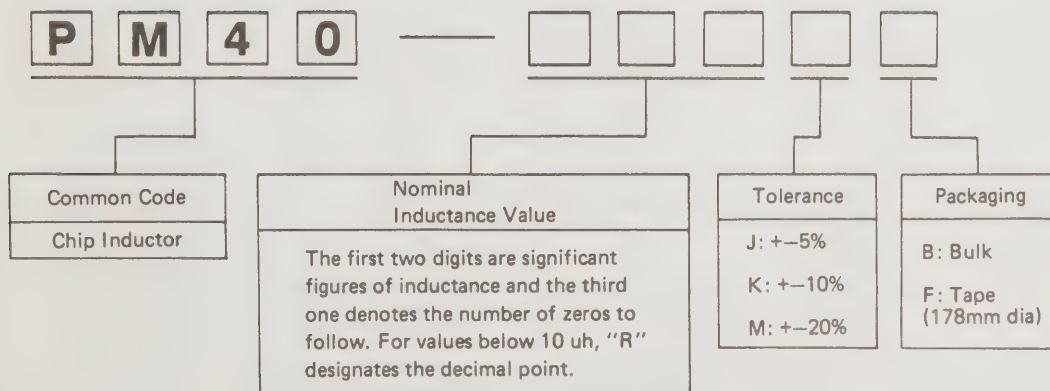


2. Reel



Note: 500 pcs per reel

How to Order.



SPECIFICATIONS FOR TEST METHODS/CONDITIONS

(1) Electrical:

Item	Specification	Test Method/Condition
⊞ Inductance	Per Table	HP 4324A or Equivalent
⊞ "Q"	Per Table	HP 4324A or Equivalent
* "SRF"	Per Table	Grid Dip Meter
⊞ DC Resistance	Per Table	Digital Multimeter
⊞ Rated Current	Per Table	Based on 0.1 Watt Power Dissipation
⊞ Dielectric	No Breakdown	1KV Between Terminals and Case for 1 Minute

(2) Environmental

* Temperature	No Change in Appearance	-20°C to + 85°C
* Humidity	10% Max Inductance Change	95% RH @ + 55°C for 96 Hrs.
* Thermal Shock	Max Change in "Q" +/- 20%	-40°C 30 Minutes + 85° C 30 Minutes
* Vibration	No Change in Electrical Characteristics	5 Cycles Frequency 10-55-10 HZ 1 Minute Amplitude: 1.5mm Direction: X.Y.Z. Duration: 2 Hours/X.Y.Z.

Recommended Handling Notes:

(1) Soldering

- * Dipping - Preheating to 120°C for 5 minutes. Then dip at 270°C for 3 seconds.
- * Reflow - 230°C for 10 seconds Max.
- * Repair - one time only. Soldering iron Temperature 350° Max and soldering time not more than 5 seconds.

(2) Circuit Design

- * To avoid cross coupling, mount coils perpendicular to each other.

(3) Cleaning

- * Solvents such as freon and trichloroethylene are recommended.

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C-508L	42	VLS103	39	100083	25	100154	26	100215	24	2068	41
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C-519-LI	43	VLS120	38	100085	25	100156	26	100217	24	23A102RPC	41
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D-7826	44	VLS150	38	100089	25	100160	26	100221	24	23A106RPC	41
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		VLS152	39	100092	26	100162	26	100223	24	23A152RPC	41
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D-7830	44	VLS180	38	100094	26	100164	26	100225	24	23A154RPC	41
		VLS181	39	100095	26	100165	26	100226	24	23A155RPC	41
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		VLS183	39	100097	26	100171	24	100228	24	23A157RPC	41
RFC-14	29	VLS2R2	38	100098	26	100172	24	100229	24	23A222RPC	41
RFC-144	29	VLS2R7	38	100099	26	100173	24	100230	24	23A223RPC	41
RFC-21	29	VLS220	38	100100	26	100174	24	100231	24	23A224RPC	41
RFC220	29	VLS221	39	100101	26	100175	24	100232	24	23A225RPC	41
RFC-28	29	VLS222	39	100102	26	100176	24	100233	24	23A226RPC	41
RFC-3.5	29										
		VLS223	39	100103	26	100177	24	100234	24	23A227RPC	41
RFC-420	29	VLS270	38	100104	26	100178	24	100235	24	23A332RPC	41
RFC-50	29	VLS271	39	100105	26	100179	24	100236	24	23A333RPC	41
RFC-7	29	VLS272	39	100106	26	100180	24	100237	24	23A334RPC	41
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		VLS3R3	38	100108	26	100182	24	100239	24	23A336RPC	41
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VL-R33	38	VLS330	38	100110	26	100171	24	100241	24	23A472RPC	41
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		VLS333	39	100113	26	100174	24	100244	25	23A475RPC	41
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VL-100	38	VLS391	39	100115	26	100176	24	100246	25	23A477RPC	41
VL-101	38	VLS392	39	100116	26	100177	24	100247	25	23A682RPC	41
VL-102	38	VLS393	39	100117	26	100178	24	100248	25	23A683RPC	41
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		VLS4R7	38	100118	26	100179	24	100249	25	23A684RPC	41
VL-151	38	VLS470	38	100119	26	100180	24	100250	25	23A685RPC	41
VL-152	38	VLS471	39	100120	26	100181	24	100251	25	23A686RPC	41
VL-2R2	38	VLS472	39	100121	26	100182	24	100252	25	23A687RPC	41
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VL-221	38										
		VLS5R6	38	100123	26	100184	24	100254	25	23A823RPC	41
VL-222	38	VLS560	39	100124	26	100185	24	100255	25	23A824RPC	41
VL-3R3	38	VLS561	39	100125	26	100186	24	100256	25	23A825RPC	41
VL-330	38	VLS562	39	100126	26	100187	24	100257	25	23A826RPC	41
VL-331	38	VLS563	39	100127	26	100188	24	100258	25	23A827RPC	41
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		VLS6R8	38	100128	26	100189	24	100259	25	2881	31
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VL-470	38	VLS681	39	100130	26	100191	24	100261	25	4534	31
VL-471	38	VLS682	39	100131	26	100192	24	100262	25	4535	31
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		VLS8R2	38	100133	26	100194	24	100264	25	4550	31
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		100067	25	100138	26	100199	24	100269	25	4586	30
VLSR18	38	100068	25	100139	26	100200	24	100270	25	4588	30
VLSR22	38	100069	25	100140	26	100201	24	100271	25	4590	30
VLSR27	38	100070	25	100141	26	100202	24	100272	25	4592	30
VLSR33	38	100071	25	100142	26	100203	24	100273	25	4594	30
VLSR39	38										
		100072	25	100143	26	100204	24	100274	25	4602	30
VLSR47	38	100073	25	100144	26	100205	24	100275	25	4604	30
VLSR56	38	100074	25	100145	26	100206	24	100276	25	4606	30
VLSR68	38	100075	25	100146	26	100207	24	100277	25	4608	30
VLSR82	38	100076	25	100147	26	100208	24	100278	25	4609	30
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		100077	25	100148	26	100209	24	100279	25	4611	30
VLS1R2	38	100078	25	100149	26	100210	24	100280	25	4612	30
VLS1R5	38	100079	25	100150	26	100211	24			4622	30
VLS1R8	38	100080	25	100151	26	100212	24	2065	41	4624	30
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4664	30	5512	32	70F106AI	27	70F755AI	27	74F396AP	29	78F120J	35
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4902	36									8806	41
4903	36	5632	33	70F334AI	27	73F154AF	28	77F181J	35	8807	41
4904	36	5701	34	70F335AI	27	73F183AF	28	77F221J	35	8810	41
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4908	36	5706	34	70F392AF	28	73F274AF	28	77F561J	35	8850	41
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		5709	34	70F395AI	27	73F334AF	28	77F102J	35	8852	41
						73F393AF	28			8853	41
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5219	31	5711	34	70F471AF	28	73F473AF	28	78FR12M	35	9001	37
5220	31	5712	34	70F472AF	28	73F474AF	28	78FR15M	35	9002	37
5221	31	5713	34	70F473AI	27	73F563AF	28	78FR18M	35		
		5714	34	70F474AI	27	73F564AF	28	78FR22K	35	9003	37
5222	31									9004	37
5230	31	5715	34	70F475AI	27	73F683AF	28	78FR27K	35	9005	37
5240	31	5716	34	70F476AI	27	73F684AP	28	78FR33K	35	9006	37
5248	31	5717	34	70F477AP	27	73F823AP	28	78FR39K	35	9007	37
5250	31	5718	34	70F501AF	28	73F824AP	28	78FR47K	35		
		5719	34	70F502AF	28	74F104AI	28				
								78FR56K	35		

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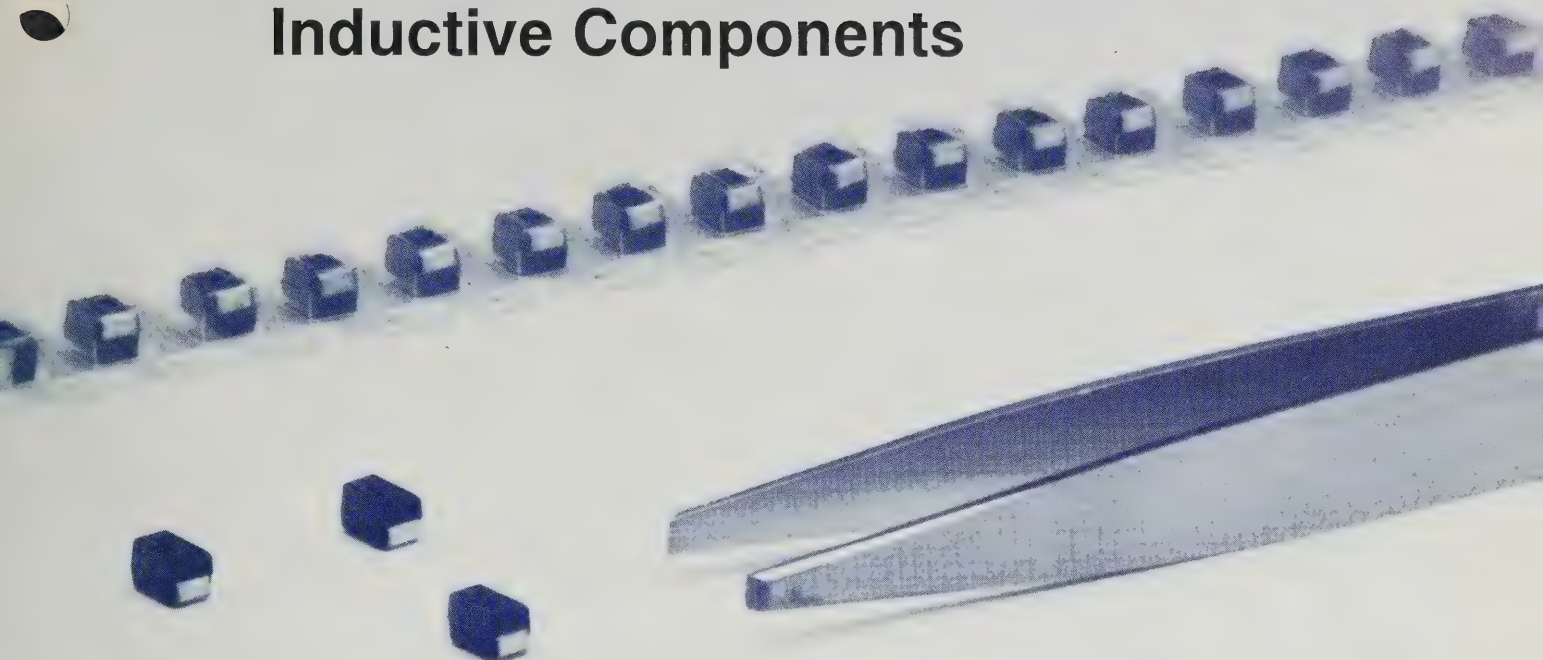
REMEMBER,

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YOU ARE LOOKING FOR . . .**

Send us your drawing or a sample of what you need and we will respond promptly to your request. If you need engineering assistance in the design of your components, we will be happy to provide this assistance without charge

Notes

Surface Mount Inductive Components



JWM CHIP BEADS

MATERIAL CHARACTERISTICS:

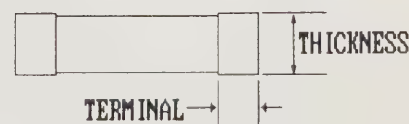
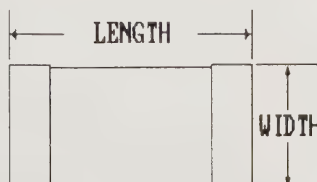
Properties	-1 Material	-2 Material
Initial permeability	180	400
Saturation flux density @ 10 Oersted	2950	2500
Curie temperature	170°C	125° C
Volume resistivity in Ohm/Cm	10 ⁷	10 ⁷

ELECTRICAL CHARACTERISTICS:

JWM PART #	Z @ 100 MHz (Ohms)	DCR Max. (Ohms)	RATED I (mA)	LENGTH ±.2 mm	WIDTH ±.2mm	THICKNESS ±.2 mm	TERMINAL ±.2 mm
PMB0805-1	10	.10	600	2.00	1.25	0.90	0.30
PMB0805-2	15	.10	600	2.00	1.25	0.90	0.30
PMB1206-1	30	.12	500	3.20	1.60	1.10	0.30
PMB1206-2	35	.12	500	3.20	1.60	1.10	0.30
PMB1210-1	65	.15	400	3.20	2.50	1.30	0.30
PMB1210-2	75	.15	400	3.20	2.50	1.30	0.30
PMB1806-1	50	.18	300	4.50	1.60	1.60	0.30
PMB1806-2	60	.18	300	4.50	1.60	1.60	0.30
PMB1812-1	100 160nH	.20	300	4.50	3.20	1.50	0.30
PMB1812-2	120 180nH	.20	300	4.50	3.20	1.50	0.30

MARKING:

On part None
On reel Manufacturers Name
Part number, Quantity



BELL INDUSTRIES

J.W. Miller Division

306 E. Alondra Blvd., Gardena, CA 90247-1059

Phone: 213-537-5200 FAX: 213-631-4217

JWM PM20 CHIP INDUCTOR SERIES {1210}

JWM PART #	L (uH)	TOL. %	Q Min.	TEST FREQ. MHz	Min. SRF MHz	Max. DCR OHMS	RATED I (MA)
PM20-R010M	0.010	20	15	100	2500	0.13	450
PM20-R012M	0.012	20	17	100	2300	0.14	450
PM20-R015M	0.015	20	19	100	2100	0.16	450
PM20-R018M	0.018	20	21	100	1900	0.18	450
PM20-R022M	0.022	20	23	100	1700	0.20	450
PM20-R027M	0.027	20	23	100	1500	0.22	450
PM20-R033M	0.033	20	25	100	1400	0.24	450
PM20-R039M	0.039	20	25	100	1300	0.27	450
PM20-R047M	0.047	20	26	100	1200	0.30	450
PM20-R056M	0.056	20	26	100	1100	0.33	450
PM20-R068M	0.068	20	27	100	1000	0.36	450
PM20-R082M	0.082	20	27	100	900	0.40	450
PM20-R10M	0.10	20	28	100	700	0.44	450
PM20-R12M	0.12	20	28	25.2	500	0.22	450
PM20-R15M	0.15	20	28	25.2	450	0.25	450
PM20-R18M	0.18	20	28	25.2	400	0.28	450
PM20-R22M	0.22	20	28	25.2	350	0.32	450
PM20-R27M	0.27	20	28	25.2	320	0.36	450
PM20-R33M	0.33	20	28	25.2	300	0.40	450
PM20-R39M	0.39	20	28	25.2	250	0.45	450
PM20-R47M	0.47	20	28	25.2	220	0.50	450
PM20-R56M	0.56	20	28	25.2	180	0.55	450
PM20-R68M	0.68	20	28	25.2	160	0.60	450
PM20-R82M	0.82	20	28	25.2	140	0.65	450
PM20-1R0K	1.0	10	28	7.96	120	0.70	400
PM20-1R2K	1.2	10	28	7.96	100	0.75	390
PM20-1R5K	1.5	10	28	7.96	85	0.85	370
PM20-1R8K	1.8	10	28	7.96	80	0.90	350
PM20-2R2K	2.2	10	30	7.96	75	1.0	320
PM20-2R7K	2.7	10	30	7.96	70	1.1	290
PM20-3R3K	3.3	10	30	7.96	60	1.2	260
PM20-3R9K	3.9	10	30	7.96	55	1.3	250
PM20-4R7K	4.7	10	30	7.96	50	1.7	220
PM20-5R6K	5.6	10	30	7.96	47	1.8	200
PM20-6R8K	6.8	10	30	7.96	43	2.0	180
PM20-8R2K	8.2	10	30	7.96	40	2.3	170
PM20-100K	10	10	30	2.52	36	2.5	150
PM20-120K	12	10	30	2.52	33	2.8	140
PM20-150K	15	10	30	2.52	30	3.2	130
PM20-180K	18	10	30	2.52	27	3.6	120
PM20-220K	22	10	30	2.52	25	4.0	110
PM20-270K	27	10	30	2.52	20	5.0	80
PM20-330K	33	10	30	2.52	17	5.6	70
PM20-390K	39	10	30	2.52	16	6.4	65
PM20-470K	47	10	30	2.52	15	7.0	60
PM20-560K	56	10	30	2.52	13	8.0	55
PM20-680K	68	10	30	2.52	12	9.0	50
PM20-820K	82	10	30	2.52	11	10	45
PM20-101K	100	10	20	0.796	10	10	40
PM20-121K	120	10	20	0.796	10	11	70
PM20-151K	150	10	20	0.796	8	15	65
PM20-181K	180	10	20	0.796	7	17	60
PM20-221K	220	10	20	0.796	7	21	50

Tighter Tolerances Available On Special Order

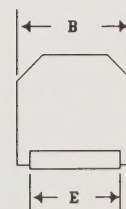
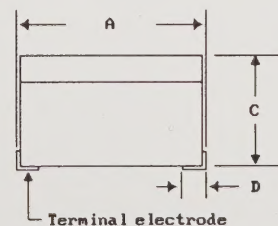
JWM PM40 CHIP INDUCTOR SERIES {1812}

JWM PART #	L (uH)	TOL. %	Q Min.	TEST FREQ. MHz	Min. SRF MHz	Max. DCR OHMS	RATED I (MA)
PM40-R-10M	0.1	20	30	25.2	250	0.20	740
PM40-R-22M	0.22	20	30	25.2	230	0.20	740
PM40-R-27M	0.27	20	30	25.2	200	0.23	690
PM40-R-33M	0.33	20	30	25.2	180	0.25	690
PM40-R-39M	0.39	20	30	25.2	155	0.26	640
PM40-R-47M	0.47	20	30	25.2	135	0.29	610
PM40-R-56M	0.56	20	30	25.2	120	0.31	590
PM40-R-68M	0.68	20	30	25.2	110	0.35	550
PM40-R-82M	0.82	20	30	25.2	105	0.39	520
PM40-1R0M	1.0	20	40	7.96	100	0.50	450
PM40-1R2M	1.2	20	40	7.96	80	0.55	430
PM40-1R5M	1.5	20	40	7.96	70	0.60	410
PM40-1R8M	1.8	20	40	7.96	60	0.65	390
PM40-2R2M	2.2	20	40	7.96	55	0.70	380
PM40-2R7M	2.7	20	40	7.96	50	0.75	370
PM40-3R3M	3.3	20	40	7.96	45	0.80	355
PM40-3R9M	3.9	20	40	7.96	40	0.90	330
PM40-4R7M	4.7	20	40	7.96	35	1.00	315
PM40-5R6M	5.6	20	40	7.96	33	1.10	300
PM40-6R8M	6.8	20	40	7.96	27	1.20	285
PM40-8R2M	8.2	20	40	7.96	25	1.40	270
PM40-100K	10	10	40	2.52	20	1.60	250
PM40-120K	12	10	40	2.52	18	2.00	225
PM40-150K	15	10	40	2.52	17	2.50	200
PM40-180K	18	10	40	2.52	15	2.80	190
PM40-220K	22	10	40	2.52	13	3.20	180
PM40-270K	27	10	40	2.52	12	3.60	170
PM40-330K	33	10	40	2.52	11	4.00	160
PM40-390K	39	10	40	2.52	10	4.50	150
PM40-470K	47	10	40	2.52	10	5.80	140
PM40-560K	56	10	40	2.52	9.0	6.30	135
PM40-680K	68	10	40	2.52	9.0	7.10	130
PM40-820K	82	10	40	2.52	8.0	7.90	120
PM40-101K	100	10	30	0.796	8.0	8.80	110
PM40-121K	120	10	30	0.796	6.0	10.0	110
PM40-151K	150	10	30	0.796	5.0	11.0	105
PM40-181K	180	10	30	0.796	5.0	13.0	102
PM40-221K	220	10	30	0.796	4.0	13.0	100
PM40-271K	270	10	30	0.796	4.0	14.0	92
PM40-331K	330	10	30	0.796	3.5	16.0	85
PM40-391K	390	10	30	0.796	3.0	19.0	80
PM40-471K	470	10	30	0.796	3.0	31.0	62
PM40-561K	560	10	30	0.796	3.0	35.0	50
PM40-681K	680	10	30	0.796	3.0	39.0	50
PM40-821K	820	10	30	0.796	2.5	45.0	30
PM40-102K	1000	10	30	0.252	2.5	53.0	30

Tighter Tolerances Available On Special Order

DIMENSIONS IN MM

SERIES	LENGTH A	WIDTH B	HEIGHT C	TERM. D	TERM. E
PM20	3.2 ±.2	2.2 ±.2	2.5 ±.2	.6	1.75
PM40	4.5 ±.2	3.2 ±.2	3.2 ±.2	.7	2.50
PM20S	3.2 ±.3	2.2 ±.3	2.5 ±.3	.6	1.90



PM40/PM20 SERIES MOLDED/WOUND CHIP INDUCTORS PM20S SERIES SHIELDED CHIP INDUCTORS

ELECTRICAL CHARACTERISTICS:

Inductance Range	PM20	.010 uH to 220 uH
	PM40	.10 uH to 1000 uH
	PM20S	10 uH to 270 uH
Tolerance	PM20	.010 uH to .82 uH $\pm 20\%$ 1.0 uH to 220 uH $\pm 10\%$
	PM40	.10 uH to 8.2 uH $\pm 20\%$ 10 uH to 1000 uH $\pm 10\%$
	PM20S	$\pm 10\%$
Dielectric Strength		100 Vrms
Insulation Resistance		100M ohms 100 VDC, 30 sec.

PHYSICAL CHARACTERISTICS:

Operating Temperature	-20° C to +100° C
Soldering heat resistance	250° C for 5 seconds
Solderability	Preheat condition: 120° C for 4 minutes Solder temperature: 230° C Dwell time: 4 seconds At least 95 % of electrode (terminal) shall be covered by solder
Terminal strength	3 lbs pull test
Resistance to solvents	Conforms to MIL-STD-202E
Marking	Inductance value on part Manufacturer name, Part number, Quantity and Date code on reel.

JWM PM20S (SHIELDED) CHIP INDUCTOR SERIES {1210}

JWM PART #	L (uH)	TEST FREQ. L MHz	TOL. %	Q min.	TEST FREQ. Q MHz	Min. SRF MHz	Max. DCR OHMS	RATED I (MA)
PM20S-100K	10	1.0	10	40	5.0	30	1.8	18
PM20S-120K	12	1.0	10	40	5.0	28	2.0	17
PM20S-150K	15	1.0	10	40	5.0	25	2.2	15
PM20S-180K	18	1.0	10	40	5.0	23	2.5	13
PM20S-220K	22	1.0	10	40	5.0	20	2.8	12
PM20S-270K	27	1.0	10	40	5.0	18	3.2	10
PM20S-330K	33	1.0	10	40	5.0	17	3.5	10
PM20S-390K	39	1.0	10	40	5.0	15	3.8	9
PM20S-470K	47	1.0	10	40	5.0	14	4.0	8
PM20S-560K	56	1.0	10	40	5.0	13	4.5	7
PM20S-680K	68	1.0	10	40	1.5	12	5.0	6
PM20S-820K	82	1.0	10	40	1.5	11	6.0	6
PM20S-101K	100	1.0	10	40	1.5	10	7.0	5
PM20S-121K	120	1.0	10	40	1.5	9	8.0	5
PM20S-151K	150	0.1	10	40	1.5	5	9.0	5
PM20S-181K	180	0.1	10	40	1.5	5	11	5
PM20S-221K	220	0.1	10	40	1.5	4	12	5
PM20S-271K	270	0.1	10	40	1.5	1	14	5



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